

2017

Immunization Coverage Report



**Utah Department of Health
Division of Disease Control and
Prevention
Immunization Program
March 2018**

Immunization Coverage Report

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Message from the Utah Immunization Program

The *Immunization Coverage Report, State of Utah: 2017*, supports the mission and goal of state and local immunization programs: ... to improve the health of Utah's citizens through vaccination to reduce illness, disability, and death from vaccine-preventable infections.

This annual *Immunization Coverage Report* provides an overview of immunization information about Utah residents, organized by immunization coverage status for Utah children, adolescents, and adults. The report presents data obtained from four primary sources: the National Immunization Survey (NIS), the Behavioral Risk Factor Surveillance System (BRFSS), the Utah Statewide Immunization Information System (USIIS), and the APPX web application used for tracking immunization coverage rates from Utah schools, licensed day care facilities, and long term care facilities. Descriptions of these sources and the methodologies used in data reporting are described throughout the report. Because of the differences in the collection methodologies of these data sources, care should be taken before considering comparisons.

This report can be a resource for local immunization programs in evaluating coverage areas, identifying gaps in services, developing immunization intervention strategies, and in considering further investigations.

An ongoing focus of immunization coverage is the infant and early childhood population. According to the 2016 National Immunization Survey (NIS), Utah ranked 23 in the nation for the number of two-year-olds who were fully immunized. The NIS reports an estimate of the number of children 19-35 months of age who have completed the recommended childhood immunization series 4:3:1:4:3:1:4 (4 DTaP, 3 Polio, 1 MMR, 4 Hib, 3 Hepatitis B, 1 Varicella, and 4 Pneumococcal vaccines) by 24 months of age.

Despite improvements in coverage rates in recent years, there is still work to be done to achieve the *Healthy People 2020* objective to reduce, eliminate, or maintain elimination of cases of vaccine-preventable diseases. The focus of Utah's Immunization Program continues to be those areas where immunization efforts can be concentrated to affect significant improvements.

Ongoing efforts to increase childhood immunization levels include a variety of interventions, including ensuring that healthcare providers have current information on immunization best practices, implementing a coordination project with the Intermountain Pediatric Society, and enrolling diverse providers in the Utah Statewide Immunization Information System (USIIS). These combined efforts will help to ensure Utah's children are protected from vaccine-preventable diseases now and into the future.

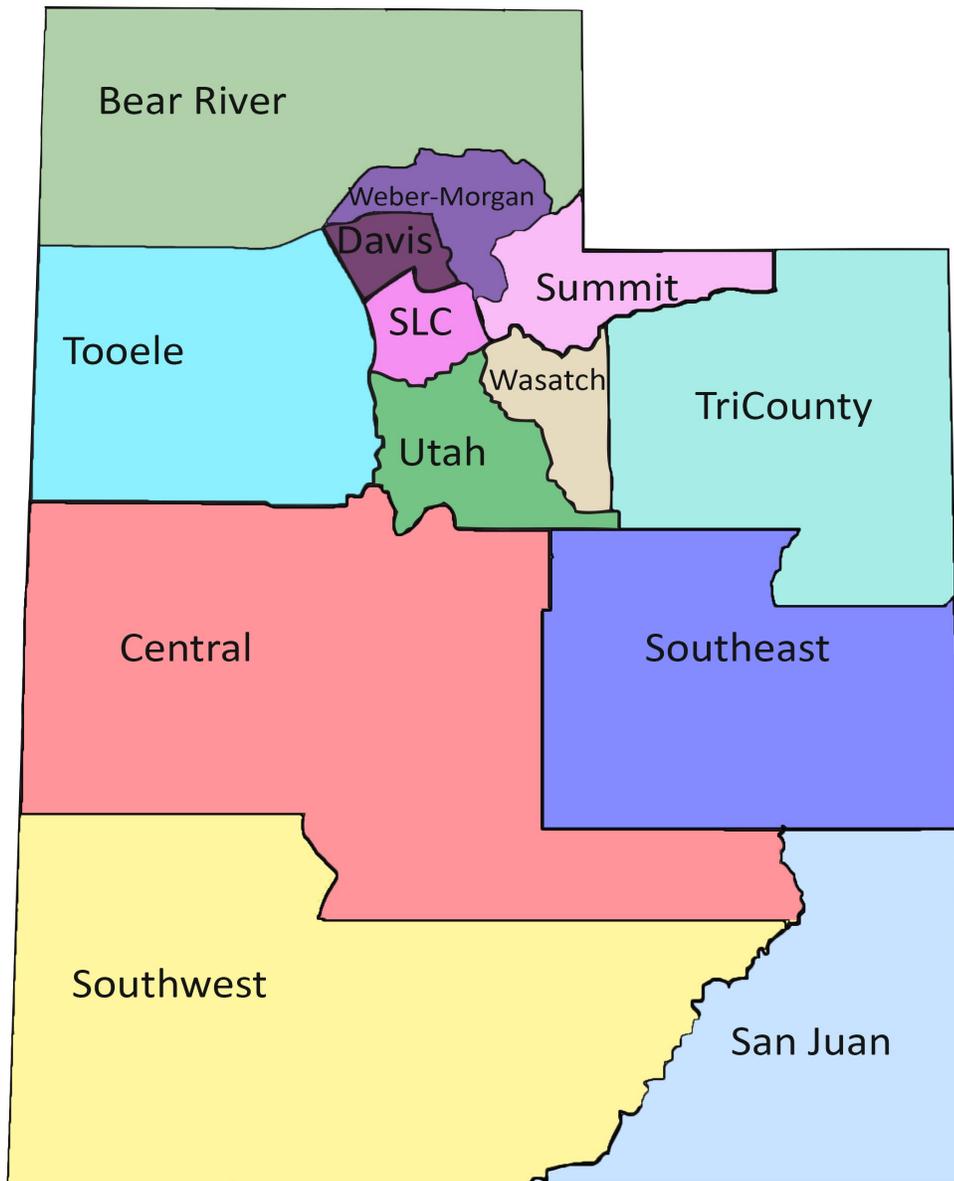
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Utah’s 13 local health districts (LHDs) that are comprised of counties are used in this report as the geographic boundaries of reporting service areas (see map of Utah below). Statewide information is also presented as a comparison. Information within the Immunization Coverage Report is divided into two main categories with detailed information for each: 1) United States and state of Utah, and 2) Local Service Areas. Detailed descriptions of data are included within each of these categories throughout this report.

Although limited comments may follow a specific graph or chart, more detailed notes may be found in the *References Section* that begins on page 142. Explanatory footnotes are provided on some pages and are intended to supply information pertaining to data sources and limitations on data interpretation. Where applicable, county-specific information is presented.



Early Childhood Immunization

The Advisory Committee on Immunization Practices (ACIP) and the Centers for Disease Control and Prevention (CDC), establish standards of comparison for immunization status. Up-to-date (UTD) at age two is the percentage of children two years of age (24 months) who have received all doses of recommended vaccines by the recommended age. This standard is used across the United States by state immunization programs and provider sites to evaluate their effectiveness in protecting patients from vaccine-preventable diseases.

Child and Adult Immunization

Exposure to groups of people of any age increases the risks of contracting and transmitting infectious diseases. More than two-thirds of children younger than six years and nearly all children older than six years spend significant time in child care and school settings outside the home. The Utah Immunization Rule for Students (R396-100) became effective in 1975 to implement consistent requirements to protect children attending school.

School Entry (Kindergarten & 7th Grade) & Two Doses of MMR (K–12)

Required kindergarten entry immunizations include: DTaP, Polio, MMR, Hepatitis B, Hepatitis A, and Varicella vaccines. Required 7th grade entry immunizations include: Hepatitis B, Varicella, Tdap, and meningococcal.

Influenza and Pneumococcal

The incidence of childhood vaccine-preventable diseases has declined dramatically, but similar successes among adults have not been achieved. Adults still suffer the vast majority of certain vaccine-preventable diseases in the U.S.

The 2016 Behavioral Risk Factor Surveillance System (BRFSS) survey results on influenza and pneumococcal immunization data are included. These data, by means of a number of different analyses, provide a summary of coverage of influenza and pneumococcal vaccinations for adults 18 years of age and older.

Appendix B includes 2016 immunization information for residents of long-term care and assisted living facilities. This data is collected by the Utah Department of Health Immunization Program through the APPX Web Application.

National Immunization Survey (NIS)

The NIS is sponsored by the National Center for Immunizations and Respiratory Diseases (NCIRD) and conducted jointly by NCIRD and the National Center for Health Statistics (NCHS), CDC. The NIS is a random-digit-dialing telephone survey of parents followed by a mailed survey to children's immunization providers, contact information supplied by the parents. The survey requests immunization information from the providers. Then results are tabulated and presented by the CDC. The average sample size per cohort is 400 individuals. For example, in 2013, information for 19-35 month old children was collected for 372 children in Utah; the healthcare providers of 249 of those 372 children had data to verify immunization records.

Behavioral Risk Factor Surveillance System (BRFSS)

The Utah BRFSS is an ongoing information collection effort by the Utah Department of Health in conjunction with the CDC to assess the prevalence of and trends in health-related behaviors in the non-institutionalized Utah adult population aged 18 years and older. The BRFSS survey is conducted by Utah Department of Health (UDOH) employees who contact Utahns by landline and cell phones and use a script and questionnaire to conduct interviews and collect responses. CDC then aggregates annual results. In 2016, 4,787 interviews were conducted by land line phones and 6,471 interviews were conducted by cell phones. The response rate (complete and partially completed interviews divided by completed, partially completed, and refused/break-off interviews) was 58.4%.

Utah Statewide Immunization Information System (USIIS)

Established in 1998, USIIS collects, consolidates and manages immunization records for Utah residents of all ages. The primary sources of USIIS data are healthcare providers, including public clinics, private clinics and practices, hospitals and pharmacies. Additionally, USIIS obtains birth certificate data from the Office of Vital Records and Statistics. Participation in USIIS is voluntary; not all providers of immunizations participate. However all Vaccines for Children (VFC) providers are required to participate.

For the 2017 Immunization Coverage Report, USIIS person data were grouped into 13 local health district service areas by their most up-to-date ZIP code and county information. Coverage results reflect 2017 data submitted to USIIS as of January 4, 2018. Child coverage results include approximately 87% of Utah children—persons 19 years of age and younger with at least two immunizations. Adult coverage results include approximately 70% of Utah adults—persons age 19 and older with at least one immunization.

APPX Web Application

The APPX Immunization component is a web application used for the purpose of tracking immunization coverage rates for Utah school, Head Start programs, licensed daycare facilities, and long-term care facilities. The Utah Department of Health Immunization program staff access the application to track data and run reports required by state rules. Users at schools, Head Start programs, daycare facilities, and long term-facilities access the web application to enter immunization data for their facilities.

Count of Enrolled USIS Provider Facilities, Utah, 2017 ⁵	Total
Charter Schools	120
Daycares	226
Early Childhood Programs	38
FQHC/RHC/CHC	60
Head Start Centers	35
Hospitals	52
Indian Health Services	19
Local Health Departments	42
Long Term Care/Nursing Home	90
Other Public Providers	58
Pharmacies	472
Private Providers	658
Private Schools	51
Public Schools	602
School Districts	42
Vital Records	1
WIC Program	1

Estimated Vaccination Coverage[^] Among Children Aged 19-35 Months



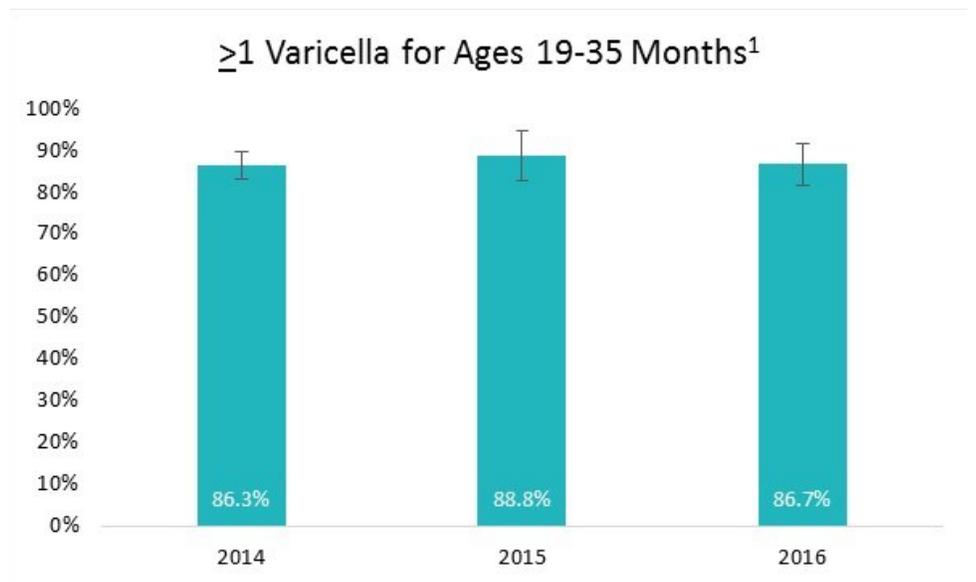
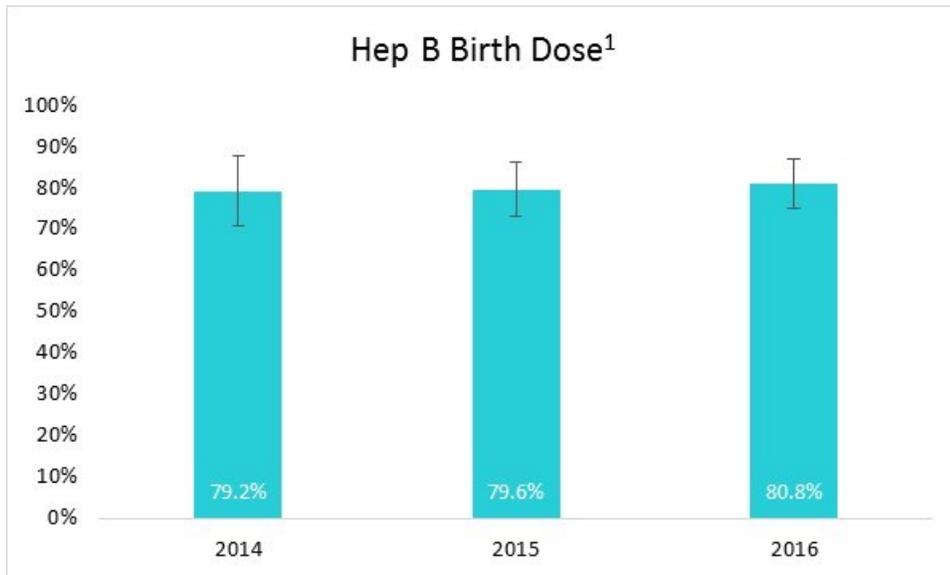
	Utah		U.S.		National Rank-2016 (Utah)
	2015	2016	2015	2016	
≥3 DTaP	92.2±4.3	92.8±4.3	95.0±0.6	93.7±0.8	34
≥4 DTaP	82.0±5.8	79.7±6.5	84.6±1.1	83.4±1.3	43
≥3 Polio	92.2±4.3	91.8±4.4	93.7±0.6	91.9±1.0	31
≥1 MMR	89.2±5.2	88.6±5.5	91.9±0.8	91.1±1.0	42
≥3 Hib	89.5±4.9	90.0±4.8	93.2±0.7	91.6±0.9	36
Hib-Primary Series (PS)	91.0±4.6	90.3±4.8	94.3±0.6	92.8±0.9	43
Hib-Full Series (FS)	79.3±6.2	78.2±6.5	82.7±1.1	81.8±1.3	45
≥3 Hep B (0-3 days)	91.7±4.3	89.8±4.7	92.6±0.7	90.5±1.1	36
Hep B Birth dose	79.6±6.0	80.8±5.8	73.3±1.4	71.1±1.6	3
≥1 Varicella	88.8±5.0	86.7±5.7	91.8±0.8	90.6±1.0	45
≥3 PCV	92.0±4.2	91.3±4.6	93.3±0.7	91.8±1.0	32
≥4 PCV	78.3±6.6	82.5±6.1	84.1±1.1	81.8±1.3	26
≥2 Hep A	59.8±7.6	64.5±7.1	59.6±1.5	60.6±1.6	14
Rotavirus	74.5±6.7	78.5±6.1	73.2±1.4	74.1±1.5	12
4:3:1 [§] (Combined 3-vaccine series)	79.6±6.3	79.3±6.5	83.2±1.1	81.9±1.3	41
4:3:1:3 ^{*llllll} (combined 4-vaccine series)	74.2±6.8	75.4±6.7	77.7±1.3	76.8±1.4	29
4:3:1:3*:3 [€] (Combined 5--vaccine series)	73.6±6.8	74.2±6.7	76.1±1.3	74.7±1.4	27
4:3:1:3*:3:1 ^{€€} (combined 6-vaccine series)	73.6±6.8	73.6±6.7	75.1±1.3	73.8±1.5	26
4:3:1:3:3:1:4 ^{€€€} (Combined 7-vaccine series)	68.1±7.3	72.2±6.8	72.2±1.4	70.7±1.5	23

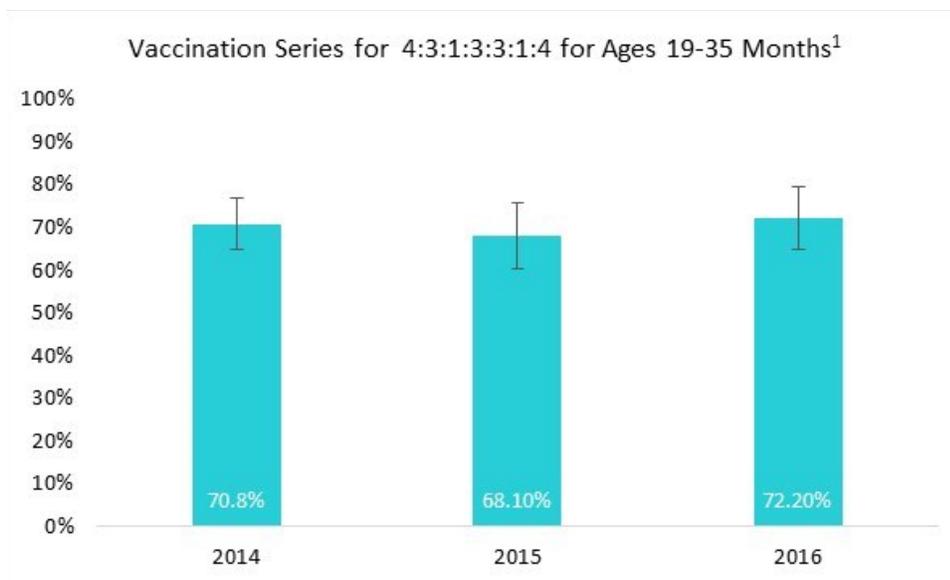
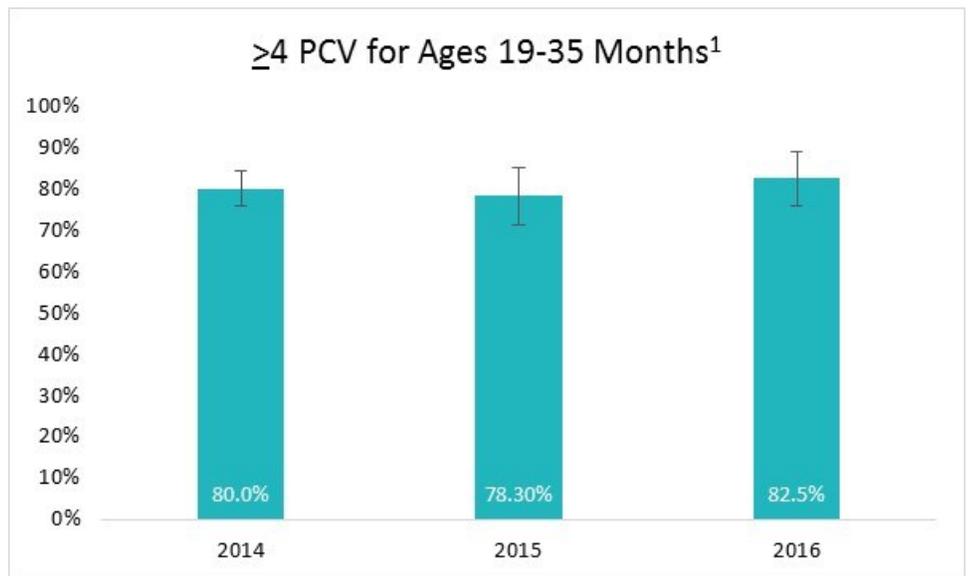
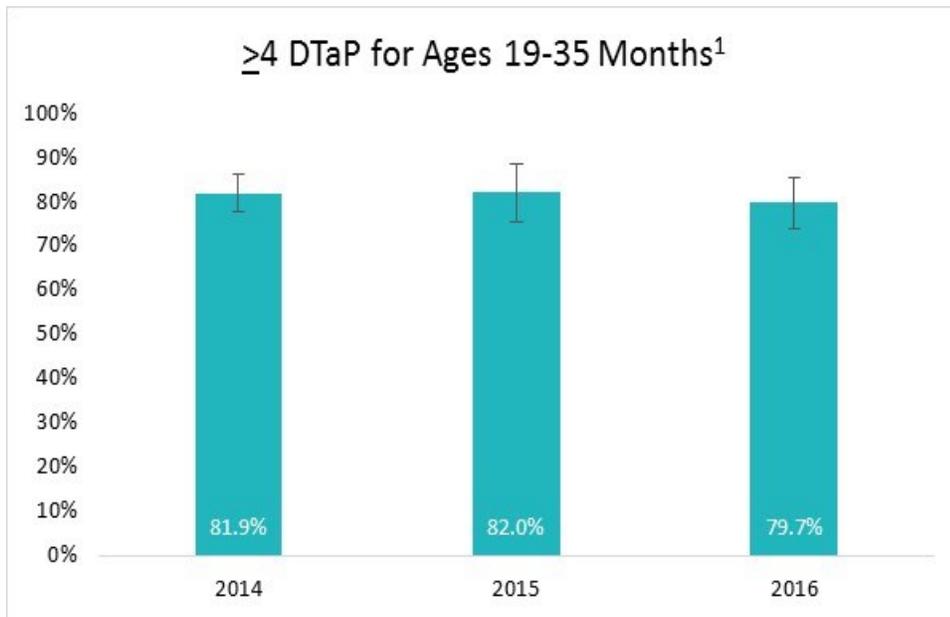
Source: 2015-2016 NIS Among Children 19-35 Months of Age, CDC. [§]4:3:1 = 4+DTaP, 3+Polio, 1+MMR. ^{lllll}4:3:1:3* = 4+DTaP, 3+Polio, 1+MMR, Hib full series. [€]4:3:1:3*:3 = 4+DTaP, 3+Polio, 1+MMR, full Hib series, 3+HepB. ^{€€}4:3:1:3*:3:1 = 4+DTaP, 3+Polio, 1+MMR, full Hib series, 3+HepB, 1+Varicella. ^{€€€}4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV. [^]Estimate presented as point estimate(%) ± 95% confidence interval.

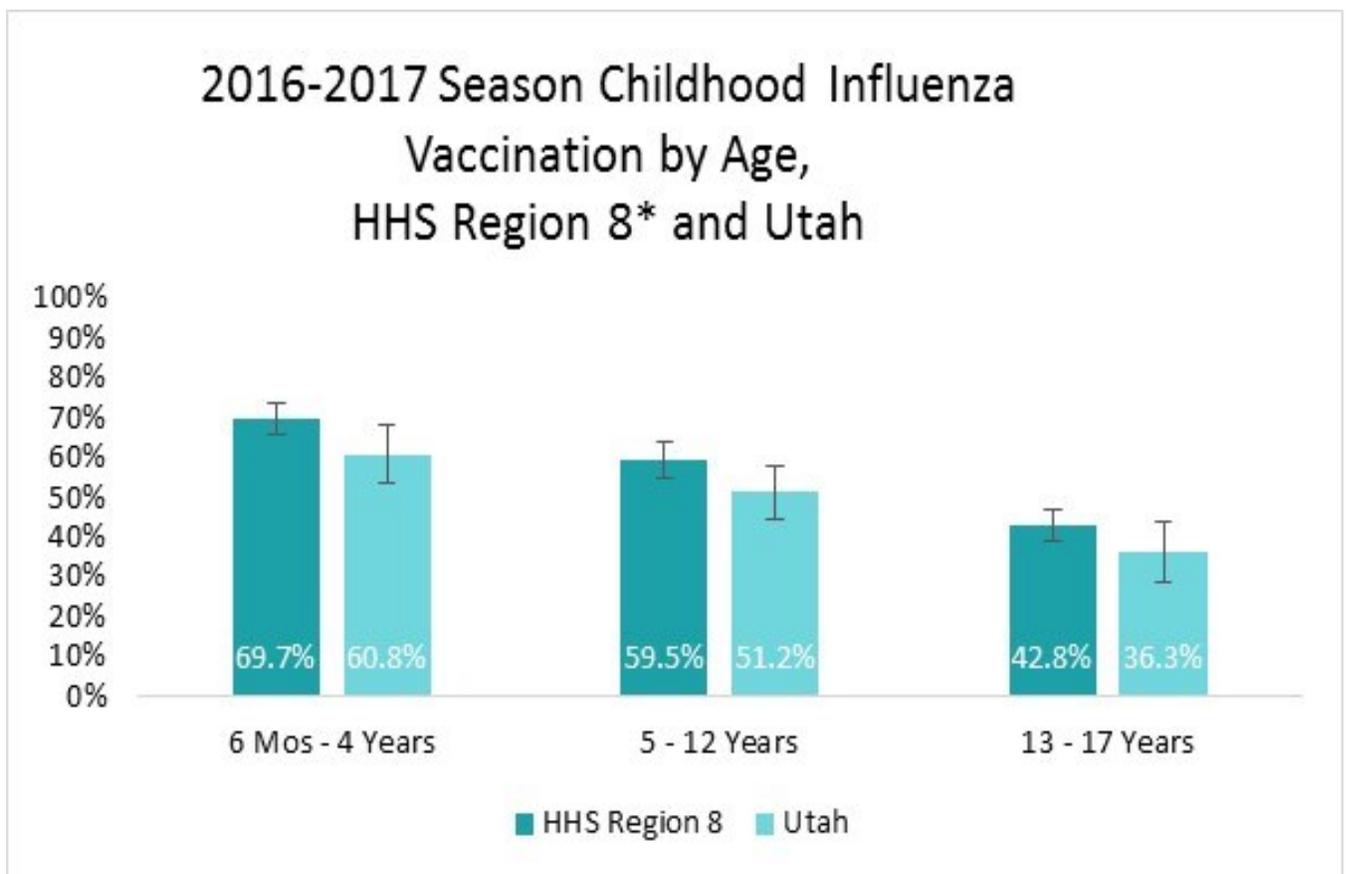
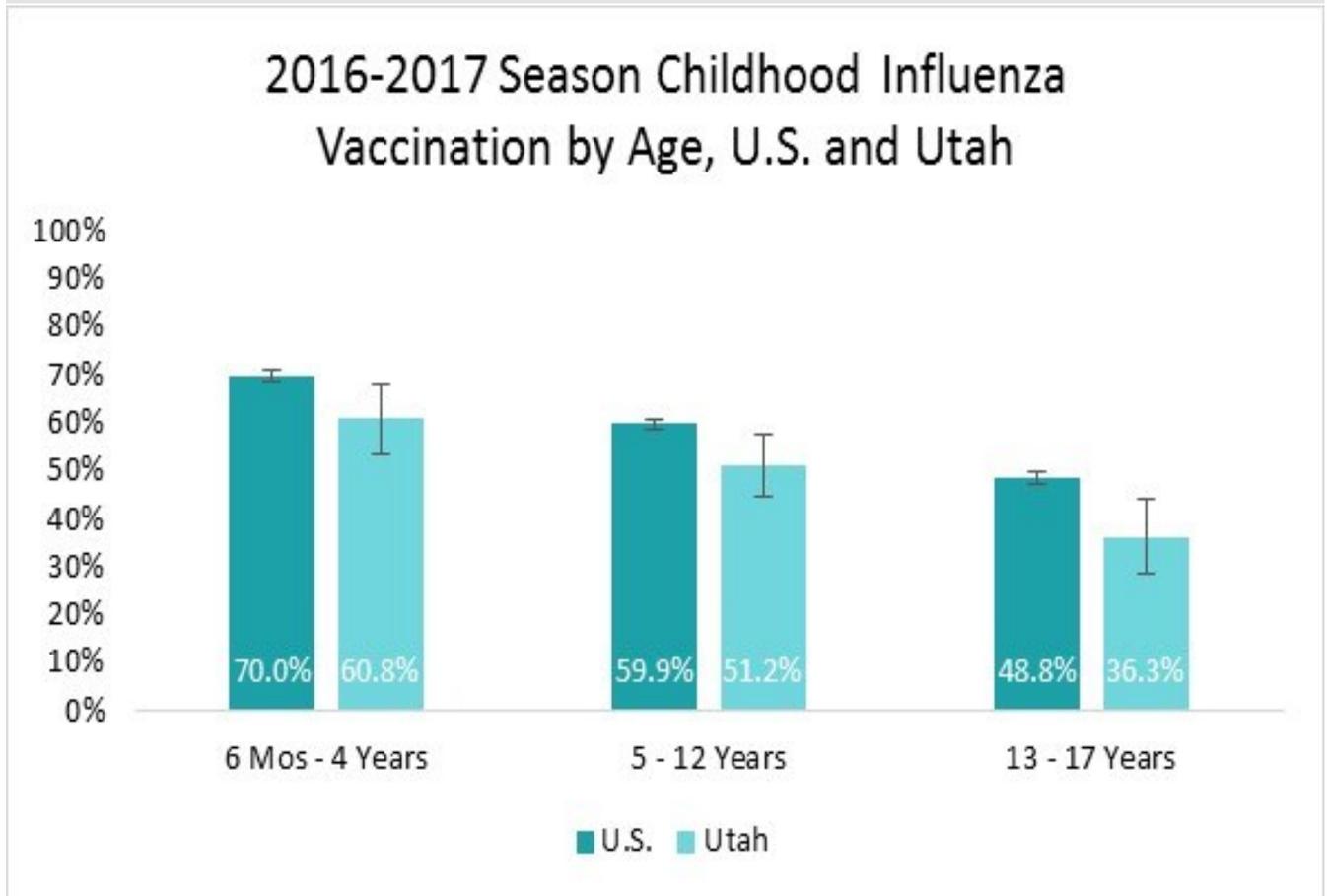
Estimated Vaccination Coverage[^] Among Children Aged 19-35 Months^{1,6}

Vaccine Type	Utah, NIS ¹ 2016	Utah, USIIS ⁶ 2016
≥3 DTaP	92.8±4.3	90.0%
≥4 DTaP	79.7±6.5	76.8%
≥3 Polio	91.8±4.4	87.3%
≥1 MMR	88.6±5.5	88.0%
≥3 Hib	90.0±4.8	87.5%
≥3 Hep B	89.8±4.7	86.4%
Hep B Birth dose	80.8±5.8	82.0%
≥1 Varicella	86.7±5.7	87.4%
≥3 PCV	91.3±4.6	88.6%
≥4 PCV	82.5±6.1	75.3%
≥2 Hep A	64.5±7.1	70.2%
Rotavirus	78.5±6.1	89.7%
4:3:1 [§] (Combined 3-vaccine series)	79.3±6.5	75.0%
4:3:1:3 [¶] (Combined 4-vaccine series)	75.4±6.7	74.4%
4:3:1:3*:3 [€] (Combined 5--vaccine series)	74.2±6.7	73.0%
4:3:1:3*:3:1 ^ζ (Combined 6-vaccine series)	73.6±6.7	72.2%
4:3:1:3:3:1:4 ^{€€€} (Combined 7-vaccine series)	72.2±6.8	69.0%

[§]4:3:1 = 4+DTaP, 3+Polio, 1+MMR. ^{¶¶}4:3:1:3* = 4+DTaP, 3+Polio, 1+MMR, Hib full series. [€]4:3:1:3*:3 = 4+DTaP, 3+Polio, 1+MMR, full Hib series, 3+HepB. ^ζ4:3:1:3*:3:1 = 4+DTaP, 3+Polio, 1+MMR, full Hib series, 3+HepB, 1+Varicella. ^{€€€}4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV. [^]NIS Estimate presented as point estimate(%) ± 95% confidence interval.

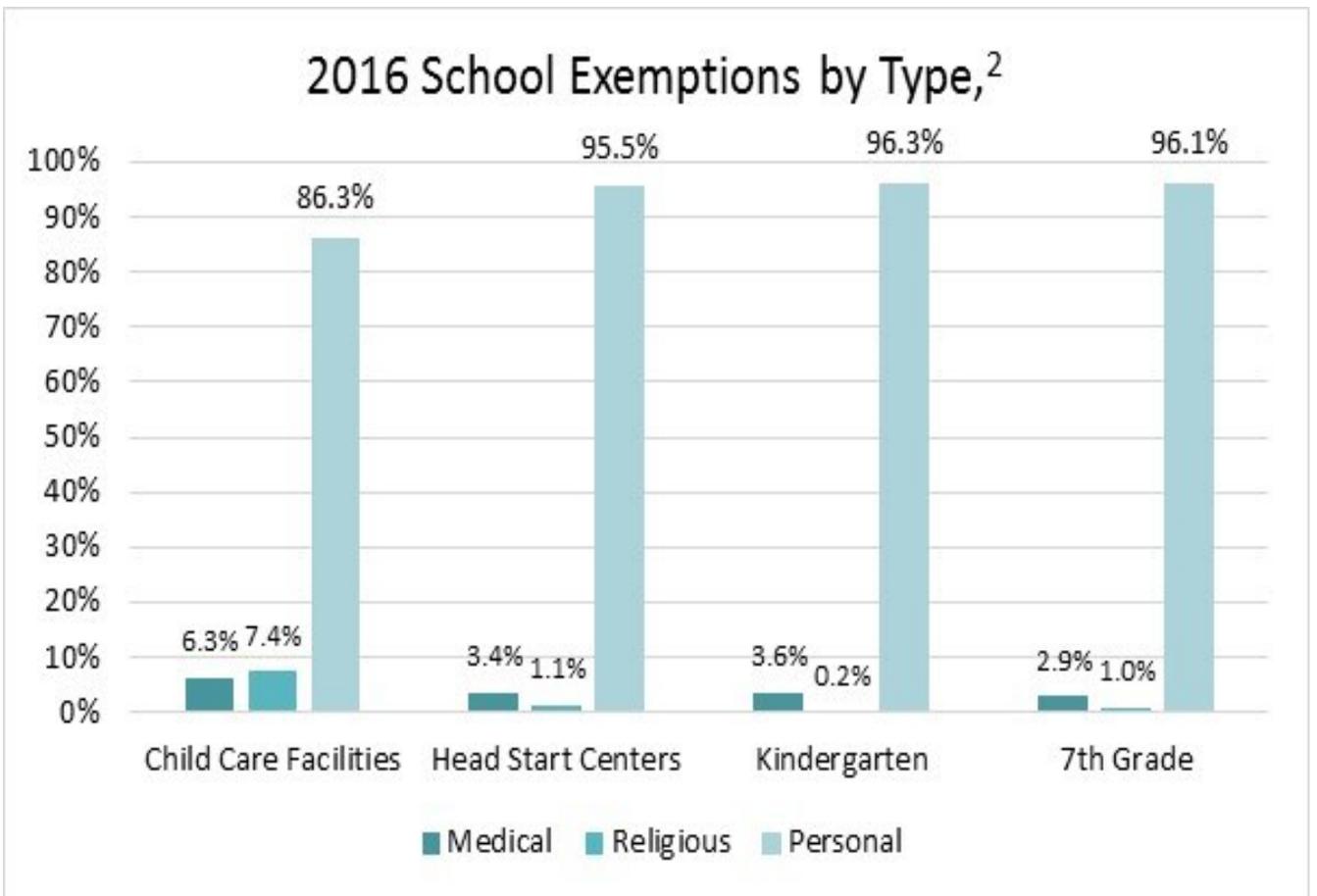




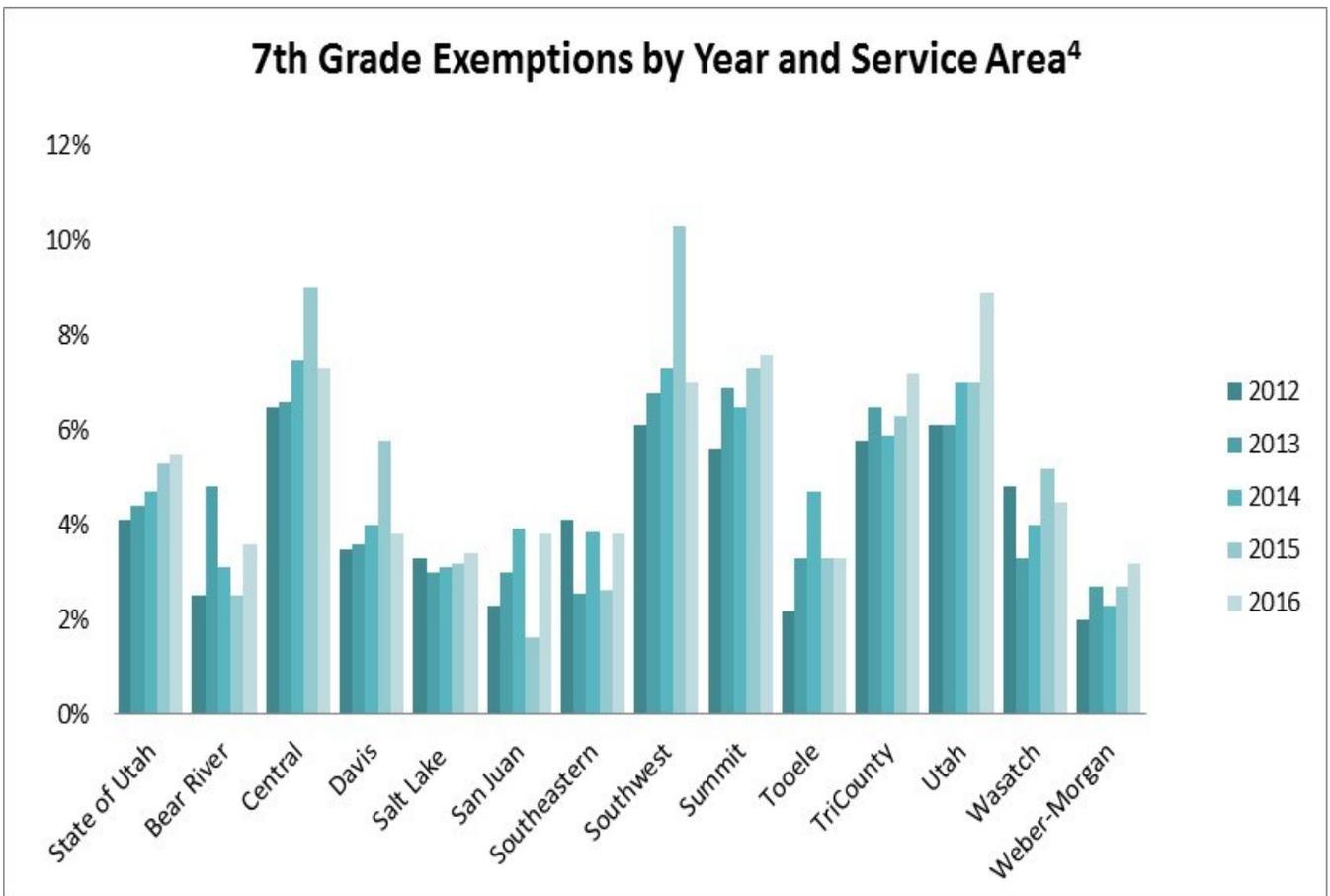
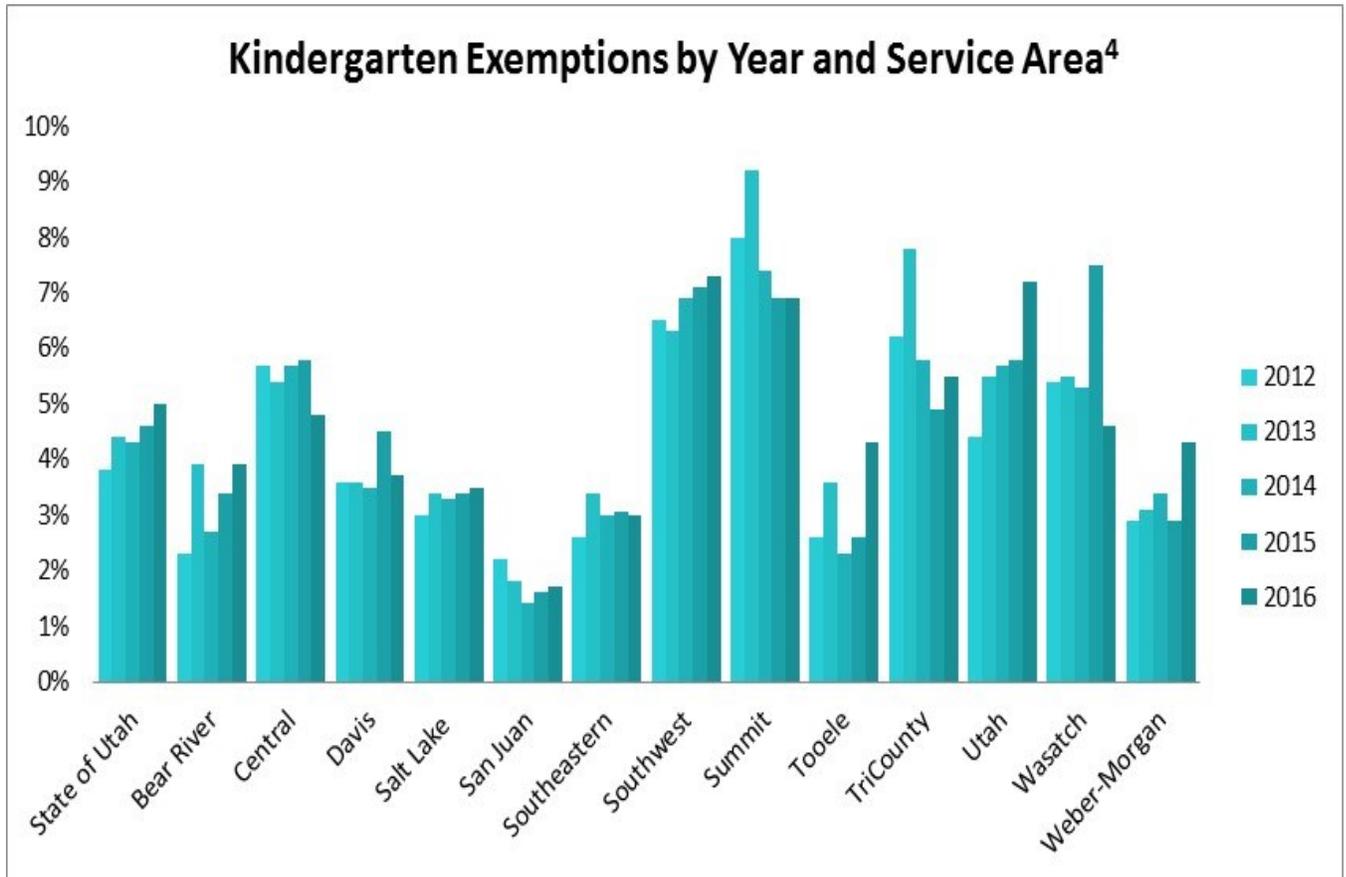


Source: NIS ,Utah, 2016. Crude Rates. *Health and Human Services (HHS) Region 8 Includes: CO, MT, ND, SD, UT, and WY.

Percentage of Children Immunized for School, 2016 ²		
Facility Type	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	90.2%	3.7%
Head Start Centers	94.3%	2.3%
Kindergarten School Entry	91.0%	5.0%
Second-dose Measles (K-12)	96.0%	3.8%
7th Grade Entry	92.2%	5.5%

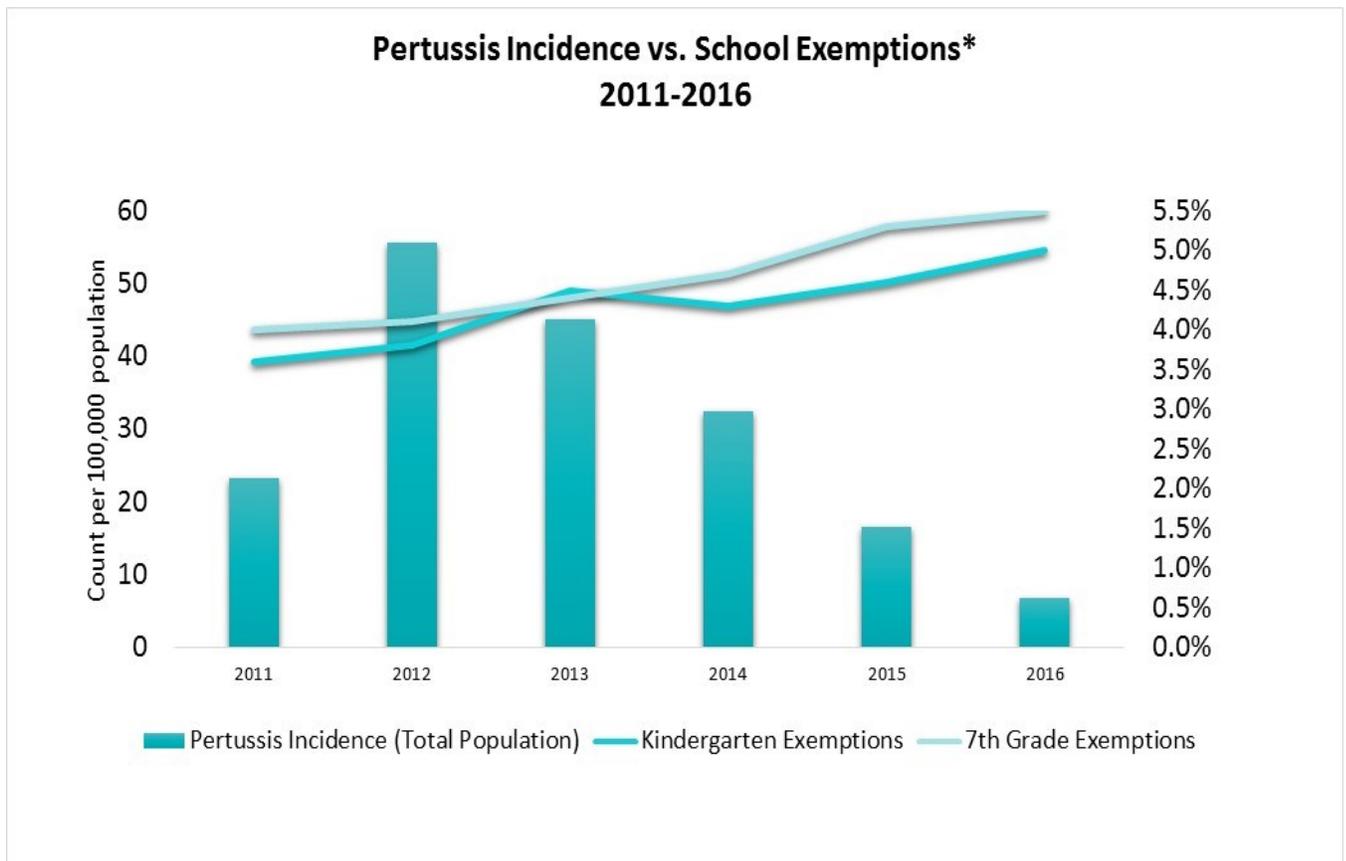


Exemption data are collected from agencies and school districts through electronic reporting to the Immunization Program, Utah Department of Health.



Exemption data are collected from agencies and school districts through electronic reporting to the Immunization Program, Utah Department of Health.

Trends in vaccine-preventable diseases are tracked with the intent that the data can be helpful in developing collaborative immunization campaign efforts. The following pertussis data were provided by the Bureau of Epidemiology, Utah Department of Health, for the state of Utah. Exemption data were obtained from agencies and school districts through electronic reporting to the Immunization Program. **Notes:** Pertussis incidence is an estimate based on numbers reported to date and could be much higher. Exemption data are not specific to DTaP/Tdap—data include exemption rates for all kindergarten and 7th grade vaccines.



Since 2007, the CDC has published NIS data for teen populations. This survey is similar to the childhood NIS. Survey responses are collected via telephone through random-digit dialing. Those who participated were asked to provide healthcare provider information so their verbal responses over the phone could be validated through the official immunization record. Children ages 13-17 years of age were included in the study. Participants were asked about receiving meningococcal conjugate (MCV4), MMR, Hepatitis B, Varicella, Td or Tdap, and HPV vaccines. The CDC identified three limitations to this survey: 1) there could be bias due to non-response and households without landline telephones; 2) underestimation of vaccine coverage may have occurred due to the exclusive use of provider-verified records; and, 3) some state level and race/ethnicity level data should be interpreted with caution because of small sample sizes. Results from this survey have been reported on national and state levels, which can be seen in the tables below.

NIS Teen 2014 Ages 13-17¹		
Vaccine/Vaccine Series	Utah	U.S.
≥1 dose Varicella (No history of varicella)	90.0±4.7	95.2±0.6
≥1 dose Td or Tdap since age 10 years	88.4±3.9	89.8±0.8
≥1 dose Tdap after age 10 years	84.8±4.5	87.6±0.9
≥1 dose MenACWY	66.9±5.9	79.3±1.1

NIS Teen 2015, Ages 13-17¹		
Vaccine/Vaccine Series	Utah	U.S.
≥1 dose Varicella (No history of varicella)	88.5±4.4	94.9±0.8
≥1 dose Td or Tdap since age 10 years	83.6±5.0	89.6±0.8
≥1 dose Tdap after age 10 years	82.0±5.2	86.4±1.0
≥1 dose MenACWY	71.5±5.8	81.3±1.0

NIS Teen 2016, Ages 13-17 ¹		
Vaccine/Vaccine Series	Utah	U.S.
≥1 dose Varicella (No history of varicella)	83.0±5.9	95.0±0.7
≥1 Td or Tdap	83.9±4.9	90.6±0.8
≥1 dose Tdap	83.9±4.9	88.0±0.9
≥1 dose MenACWY	76.6±5.6	82.2±1.0

NIS Teen 2016, Females Ages 13-17 ¹		
Vaccine/Vaccine Series	Utah	U.S.
≥1 dose HPV	58.8±9.4	65.1±1.7
HPV UTD*	41.3±9.3	49.5±1.9

NIS Teen 2016, Males Ages 13-17 ¹		
Vaccine/Vaccine Series	Utah	U.S.
≥1 dose HPV	40.9±9.0	56.0±1.7
HPV UTD*	20.3±7.4	37.5±1.7

NIS Teen 2016, Females and Males Ages 13-17 ¹		
Vaccine/Vaccine Series	Utah	U.S.
≥1 dose HPV	49.7±6.6	60.4±1.2
HPV UTD*	30.5±6.0	43.4±1.3

Source: 2016 NIS, Adolescent/Teens, CDC. Estimate presented as point estimate(%) ± 95% confidence interval. *HPV UTD - Includes those with ≥ 3 doses, and those with 2 doses when the first HPV vaccine dose was initiated prior to age 15 years and there was at least five months minus four days between the first and second dose as specified by Clinical Decision Support for Immunization (CDSi).

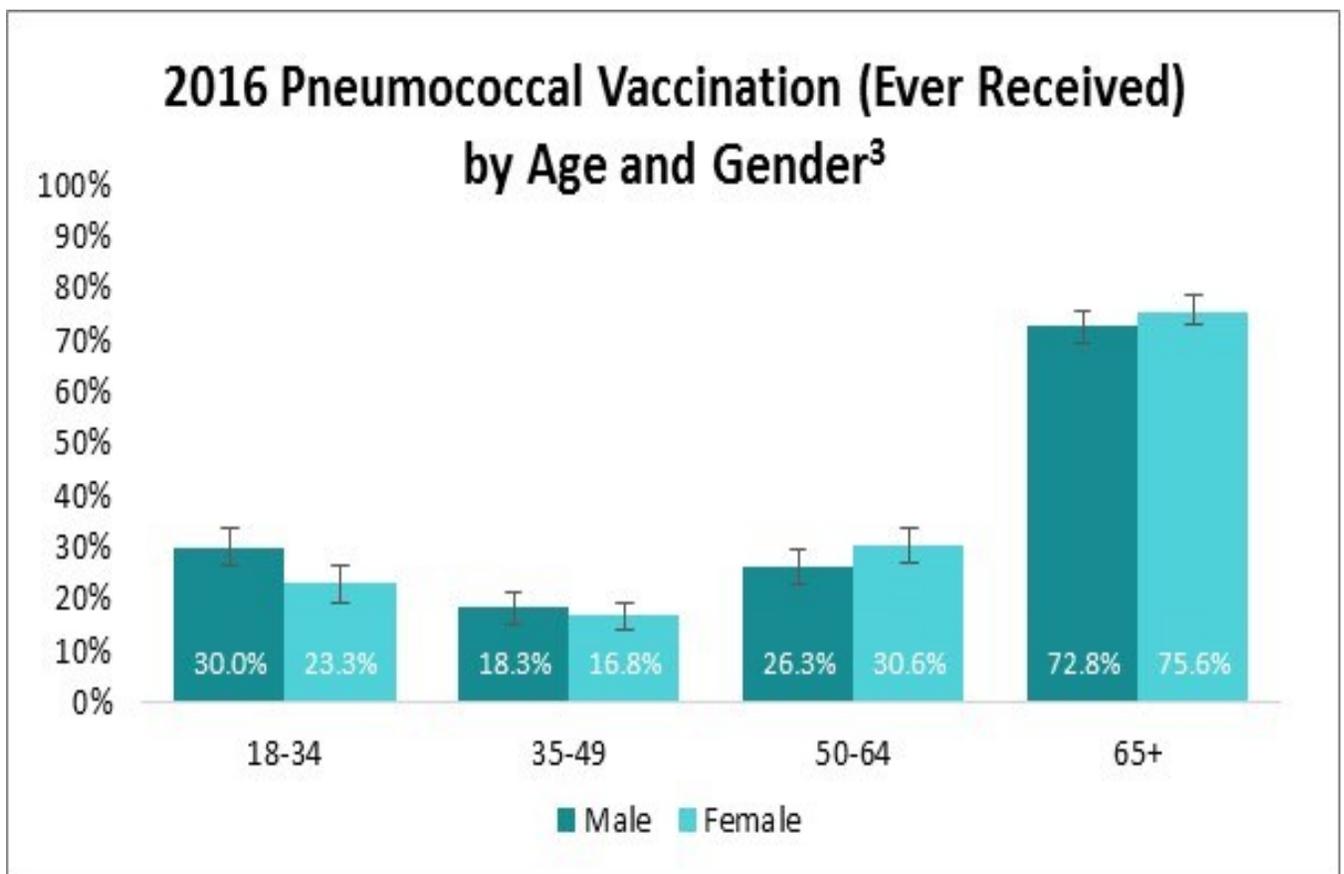
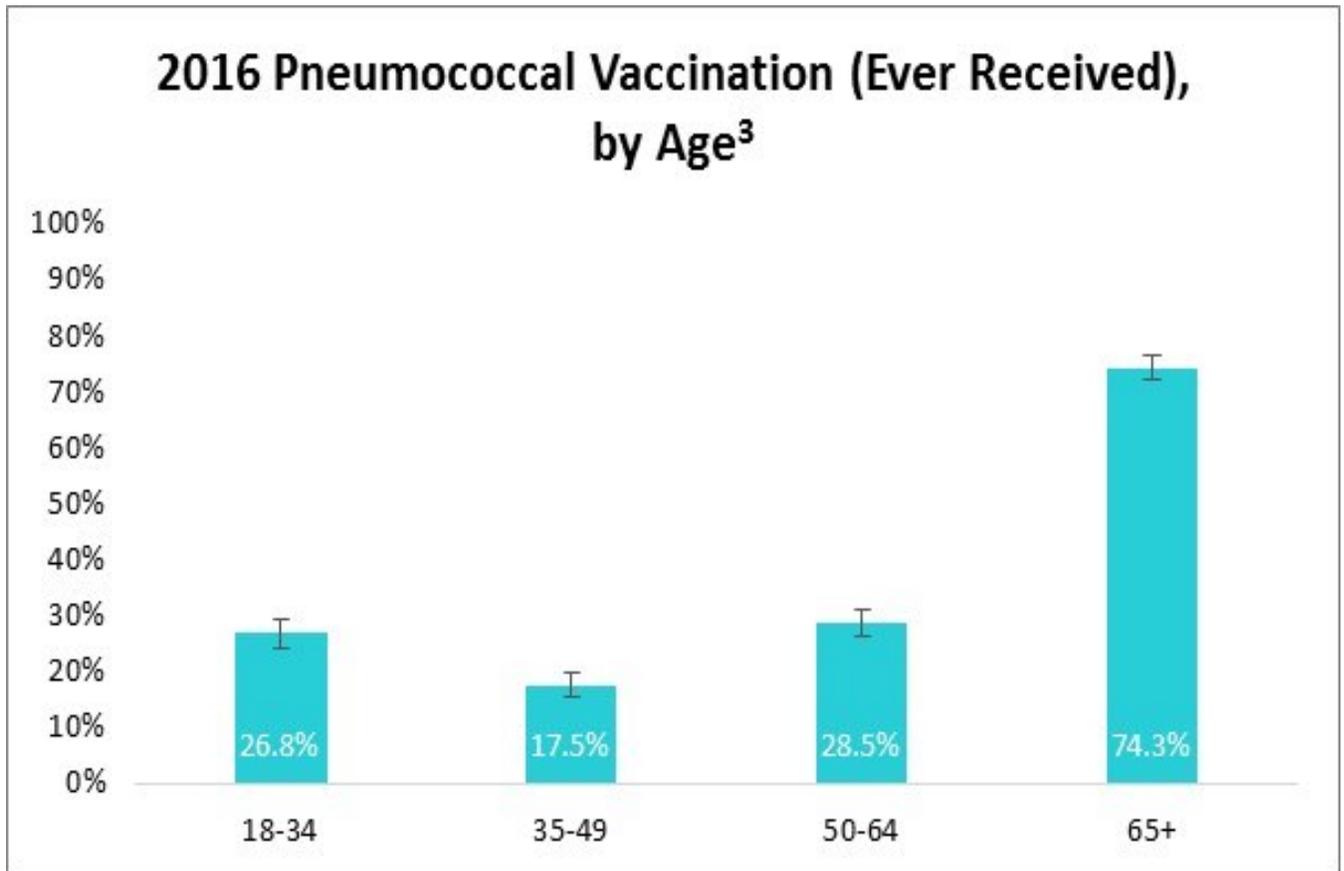
NIS Teen 2011-2016, Utah, Ages 13-15¹

Survey Year	1 Tdap	2 VAR	1 MenACWY	1 HPV Females	1 HPV Males	3 HPV Females	3 HPV Males
<i>Healthy People 2020 Objective</i>	80.0%	90.0%	80.0%	-	-	80.0%	80.0%
2011	84.9±7.6	58.8±10.9	63.2±8.8	53.9±13.3	N/A	17.7±8.5	N/A
2012	76.9±9.1	64.9±10.7	57.1±9.2	37.4±12.2	N/A	22.3±10.3	N/A
2013	87.5±6.4	64.5±9.9	63.0±8.5	43.8±11.8	13.9±8.0	19.8±10.2	N/A
2014	89.1±4.7	73.5±8.3	65.6±7.7	60.2±10.5	30.9±10.2	25.2±9.2	14.4±7.3
2015	79.3±7.2	65.8±8.5	66.7±8.0	35.3±11.7	37.5±11.4	18.6±9.0	18.7±9.7
2016	87.6±5.4	75.2±7.8	79.7±6.5	58.8±12.4	44.1± 10.9	32.7± 11.4	17.9± 9.0

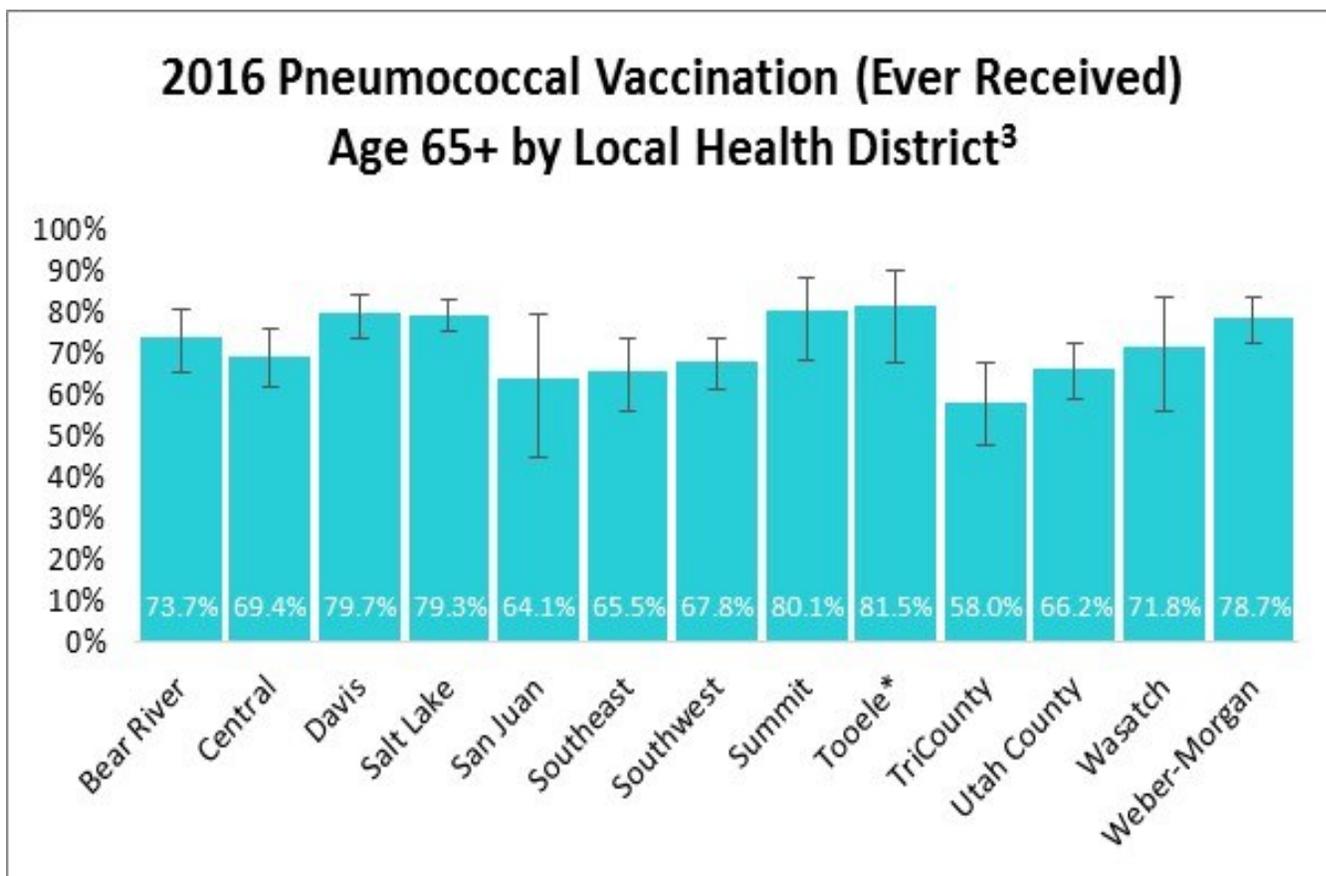
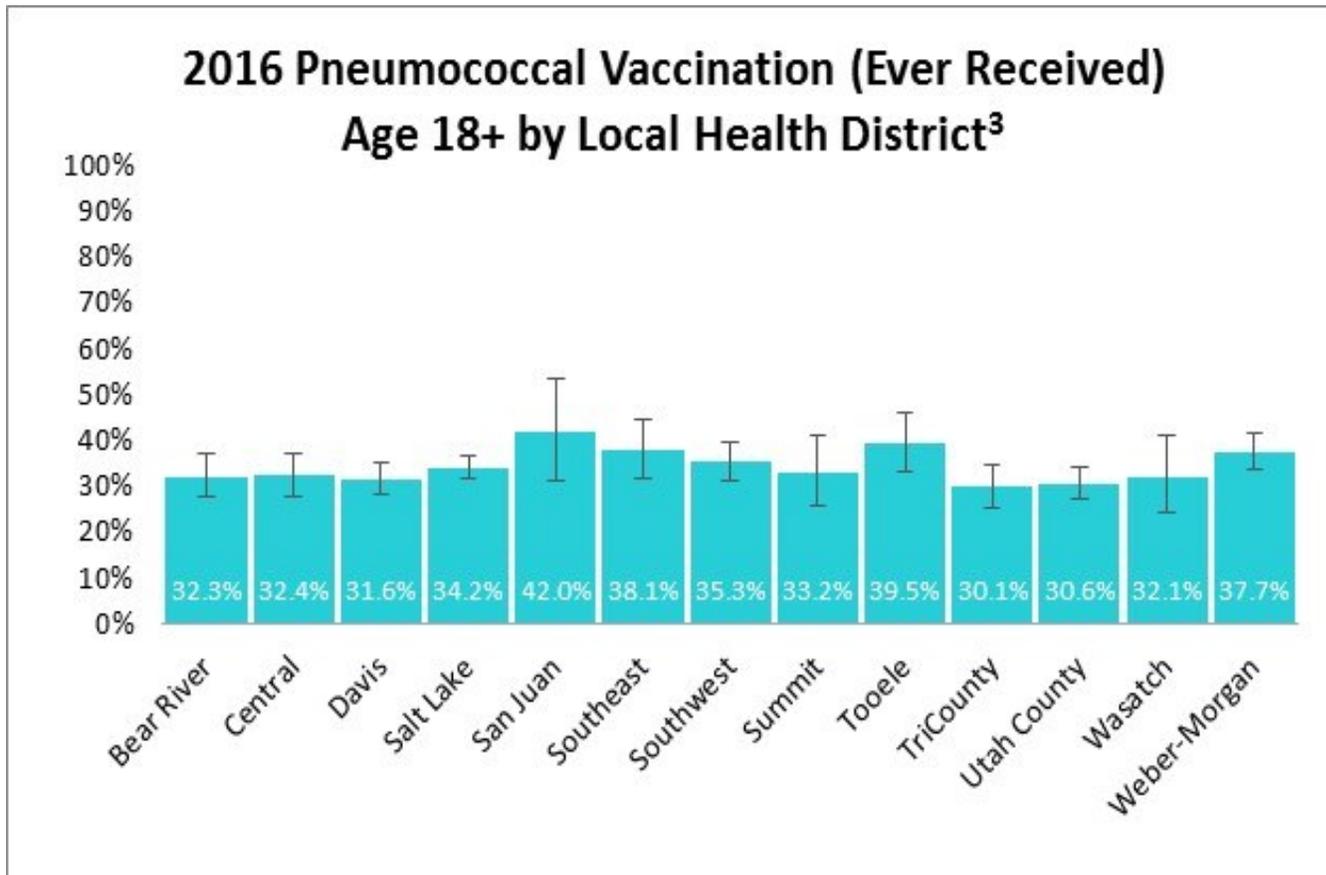
NIS Teen 2011-2016, U.S., Ages 13-15¹

Survey Year	1 Tdap	2 VAR	1 MenACWY	1 HPV Females	1 HPV Males	3 HPV Females	3 HPV Males
<i>Healthy People 2020 Objective</i>	80.0%	90.0%	80.0%	-	-	80.0%	80.0%
2011	80.5±1.2	71.8±1.6	71.5±1.3	47.9±2.2	8.4±1.2	30.0±2.1	1.4±0.5
2012	85.3±1.2	76.8±1.7	73.8±1.5	50.0±2.3	20.9±1.9	28.1±2.0	6.9±1.3
2013	87.5±1.1	80.7±1.5	78.1±1.4	54.3±2.4	33.9±2.4	32.7±2.4	13.1±1.7
2014	88.3±1.1	82.1±1.4	79.4±1.4	56.2±2.4	42.3±2.4	34.4±2.3	20.6±2.1
2015	87.1±1.2	84.6±1.4	80.8±1.4	60.2±2.4	49.0±2.3	37.1±2.3	27.1±2.1
2016	88.0±1.2	87.0±1.3	81.8±1.4	62.1±2.3	54.7±2.2	37.2±2.4	29.5±2.1

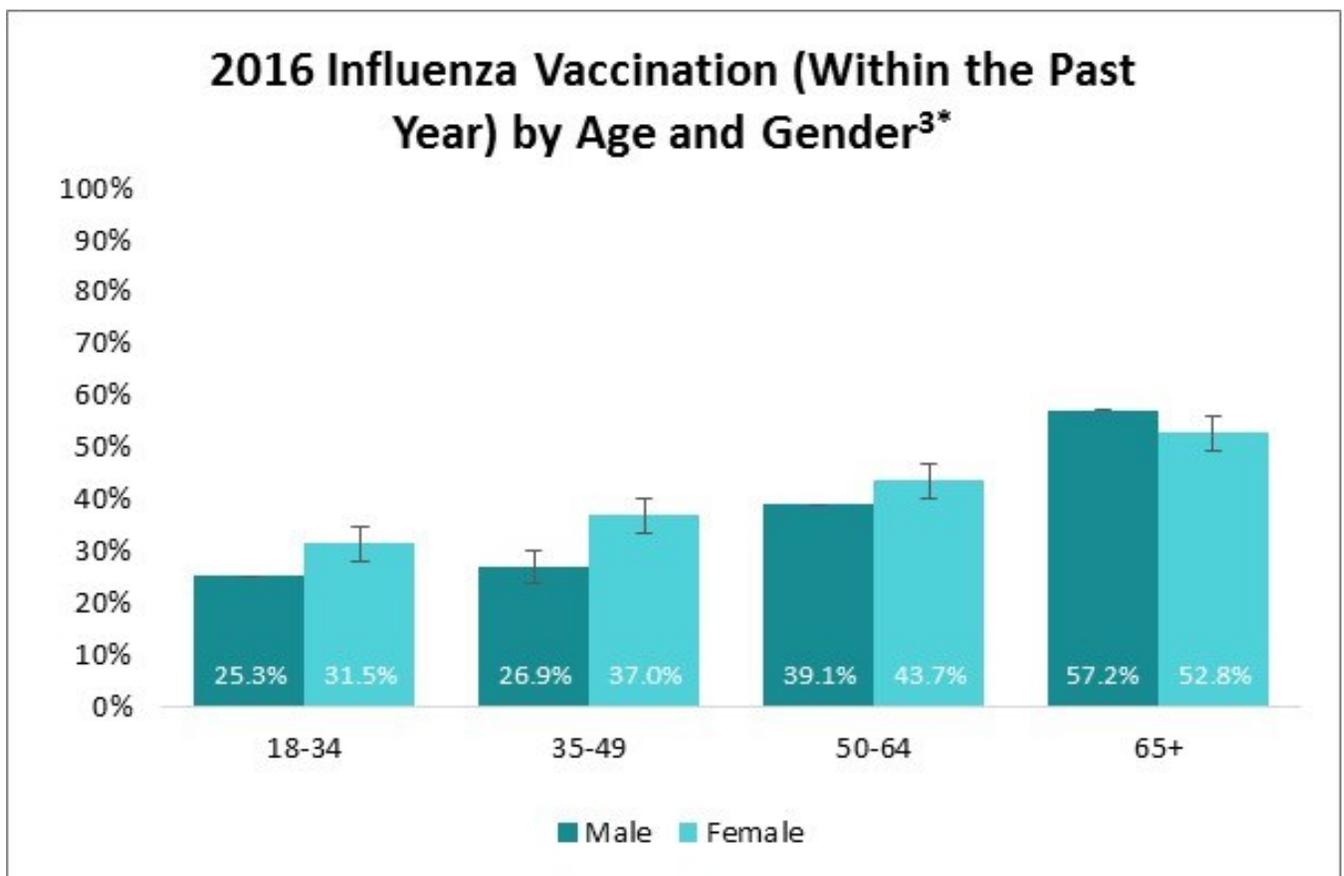
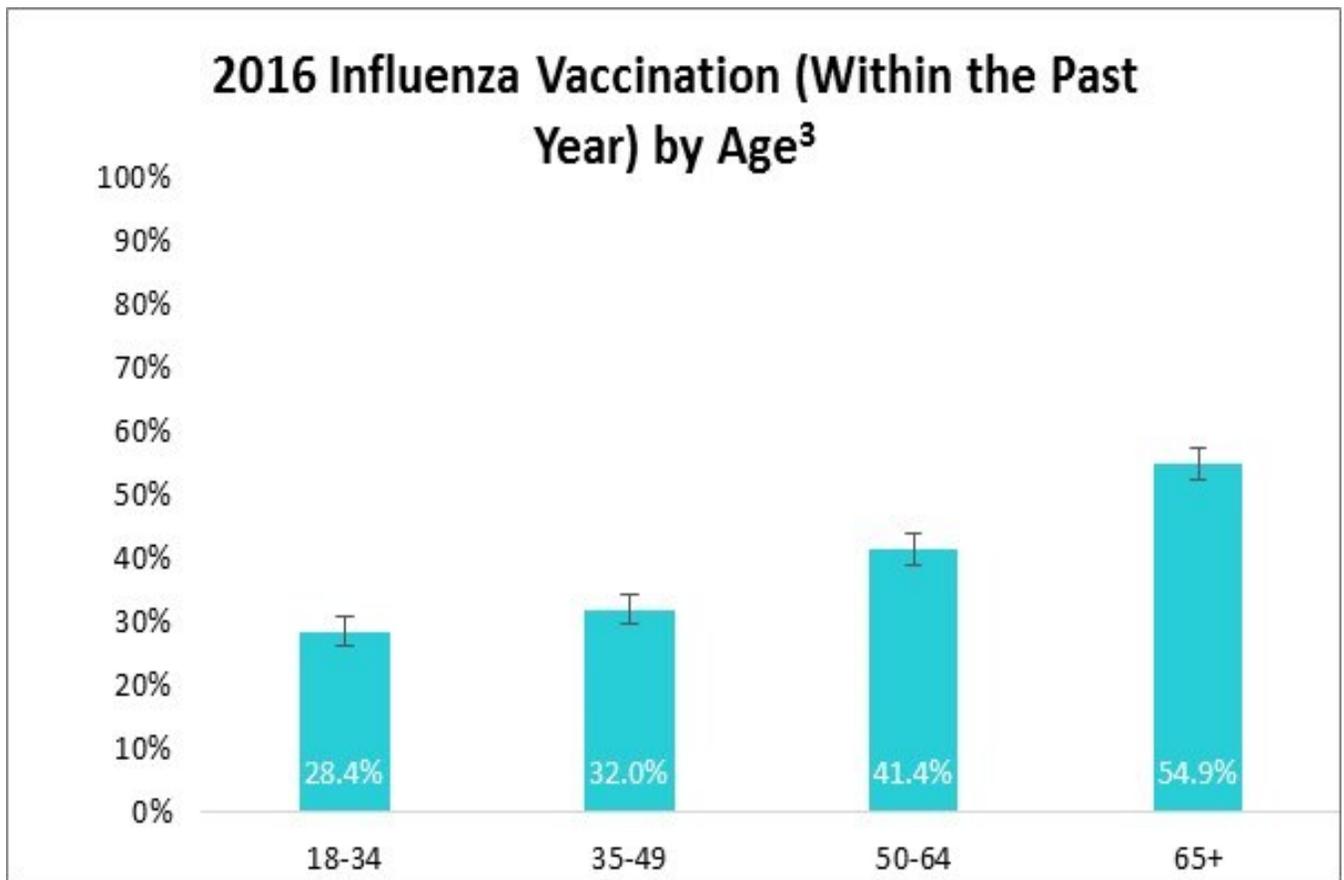
Source: 2011-2016 NIS, Adolescent/Teens, CDC. Estimate presented as point estimate(%) ± 95% confidence interval.



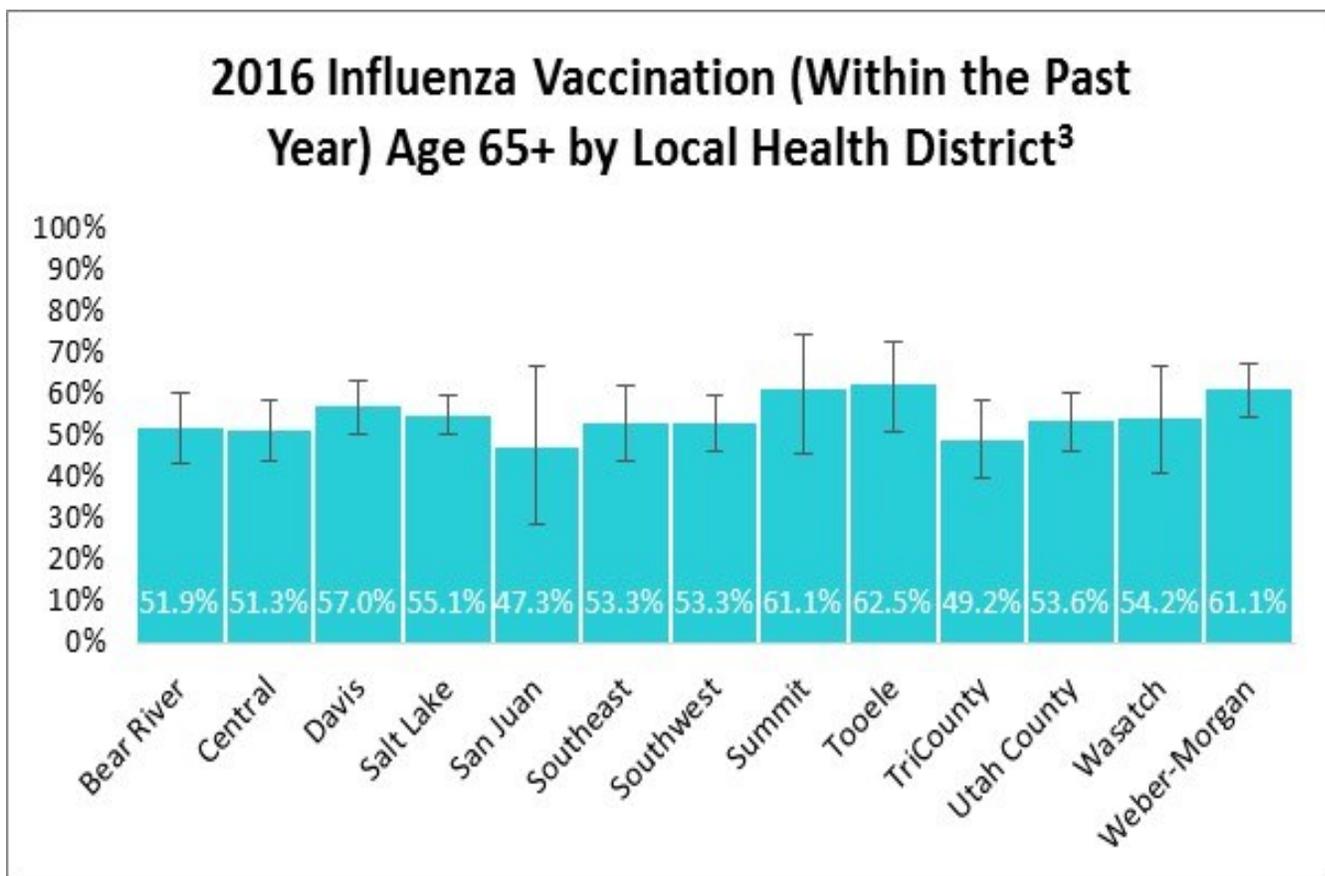
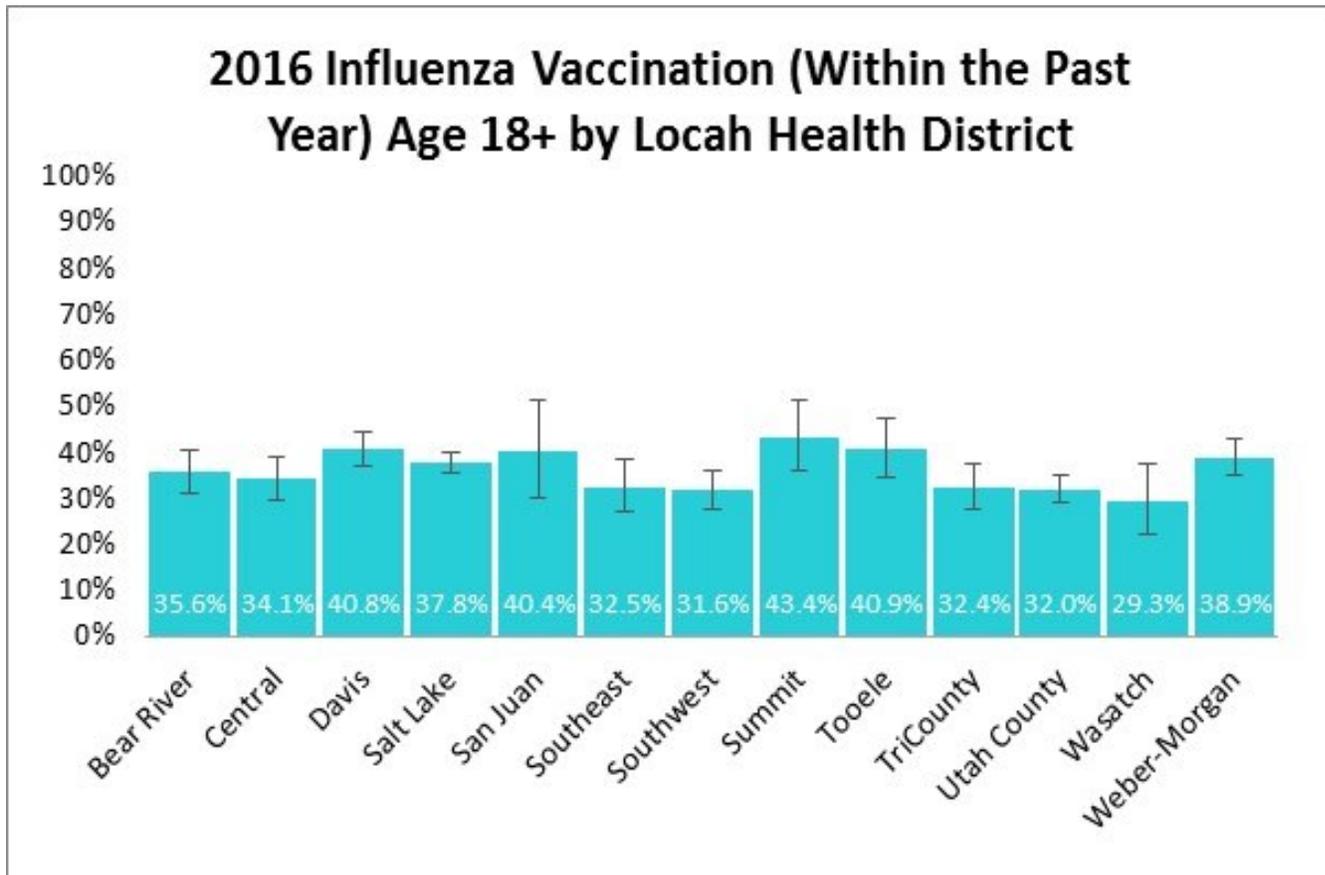
Source: BRFSS, Utah, 2016. Crude Rates.



Source: BRFSS, Utah, 2016. Crude Rates. * Use caution in interpreting, the estimate has a coefficient of variation >30%, and therefore is deemed unreliable by UDOH standards.

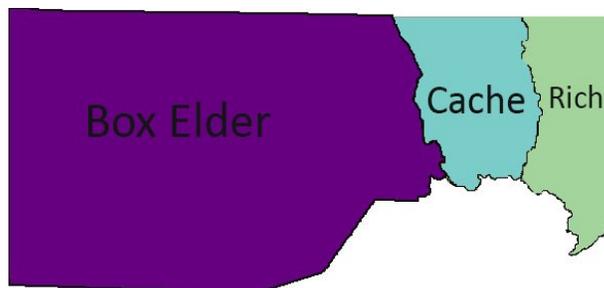


Source: BRFSS, Utah, 2016. Crude Rates.



Source: BRFSS, Utah, 2016. Crude Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	3,273	
	Total	Percent
≥3 doses DTaP	3,016	92.1%
≥4 doses DTaP	2,679	81.9%
≥3 doses Polio	2,981	91.1%
≥1 dose MMR	2,912	89.0%
≥3 doses Hib	2,867	87.6%
≥1 dose Hib	3,232	98.7%
≥3 doses Hep B	2,987	91.3%
Hep B Birth dose	2,755	84.2%
≥1 dose Varicella	2,903	88.7%
≥3 doses PCV	2,958	90.4%
≥4 doses PCV	2,624	80.2%
≥2 doses Hep A	2,466	75.3%
≥1 dose Rotavirus	2,968	90.7%
4:3:1	2,645	80.8%
4:3:1:3	2,618	80.0%
4:3:1:4	2,498	76.3%
4:3:1:3:3	2,589	79.1%
4:3:1:0:3:1	2,594	79.3%
4:3:1:3:3:1	2,572	78.6%
4:3:1:4:3:1	2,457	75.1%
4:3:1:3:3:1:4	2,450	74.9%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	990	
	Total	Percent
≥1 dose DTaP	986	99.6%
≥1 dose Polio	980	99.0%
≥1 dose Hib	986	99.6%
≥1 dose Hep B	976	98.6%
≥2 doses Hep B	948	95.8%
≥1 dose PCV	985	99.5%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	1,420	
	Total	Percent
≥2 doses DTaP	1,331	93.7%
≥2 doses Polio	1,321	93.0%
≥2 doses Hib	1,326	93.4%
≥2 doses Hep B	1,371	96.5%
≥2 doses PCV	1,325	93.3%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio,1 MMR, 4 PCV, 3 HepB,1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	3,162	
	Total	Percent
≥3 doses DTaP	2,702	85.5%
≥2 doses Polio	2,959	93.6%
≥1 dose MMR	1,090	34.5%
≥2 doses Hib	2,958	93.5%
≥3 doses Hib	1,660	52.5%
≥2 doses Hep B	3,050	96.5%
≥3 doses Hep B	2,596	82.1%
≥1 dose Varicella	1,185	37.5%
≥3 doses PCV	2,685	84.9%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	4,734	
	Total	Percent
≥3 doses DTaP	4,123	87.1%
≥4 doses DTaP	1,661	35.1%
≥3 doses Polio	4,092	86.4%
≥1 dose MMR	2,421	51.1%
≥3 doses Hib	2,989	63.1%
≥1 dose Hib	4,677	98.8%
≥3 doses Hep B	4,014	84.8%
≥1 dose Varicella	2,530	53.4%
≥3 doses PCV	4,106	86.7%
>4 doses of PCV	2,512	53.1%
4:3:1	1,625	34.3%
4:3:1:3	1,599	33.8%
4:3:1:4	1,577	33.3%
4:3:1:3:3	1,585	33.5%
4:3:1:0:3	1,610	34.0%
4:3:1:4:3	1,564	33.0%
4:3:1:3:3:1	1,569	33.2%
4:3:1:0:3:1	1,571	33.1%
4:3:1:4:3:1	1,528	32.3%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	6,067	
	Total	Percent
≥3 doses DTaP	5,378	88.6%
≥4 doses DTaP	2,768	45.6%
≥3 doses Polio	5,336	88.0%
≥1 dose MMR	3,607	59.5%
≥3 doses Hib	4,165	68.7%
≥1 dose Hib	5,998	98.9%
≥3 doses Hep B	5,263	86.7%
≥1 dose Varicella	3,718	61.3%
≥3 doses PCV	5,336	88.0%
≥4 doses PCV	3,499	57.7%
4:3:1	2,716	44.8%
4:3:1:3	2,675	44.1%
4:3:1:4	2,622	43.2%
4:3:1:3:3	2,653	43.7%
4:3:1:0:3	2,693	44.4%
4:3:1:4:3	2,601	42.9%
4:3:1:3:3:1	2,662	43.9%
4:3:1:0:3:1	2,646	43.6%
4:3:1:4:3:1	2,556	42.1%
4:3:1:3:3:1:4	2,548	42.0%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total[^]	22,322	Female Total	10,929	Male Total	11,349
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	8,271	37.1%	4,702	43.0%	3,555	31.3%
2 HPV	5,037	22.6%	2,939	26.9%	2,090	18.4%
3 HPV	3,100	13.9%	1,876	17.2%	1,219	10.7%

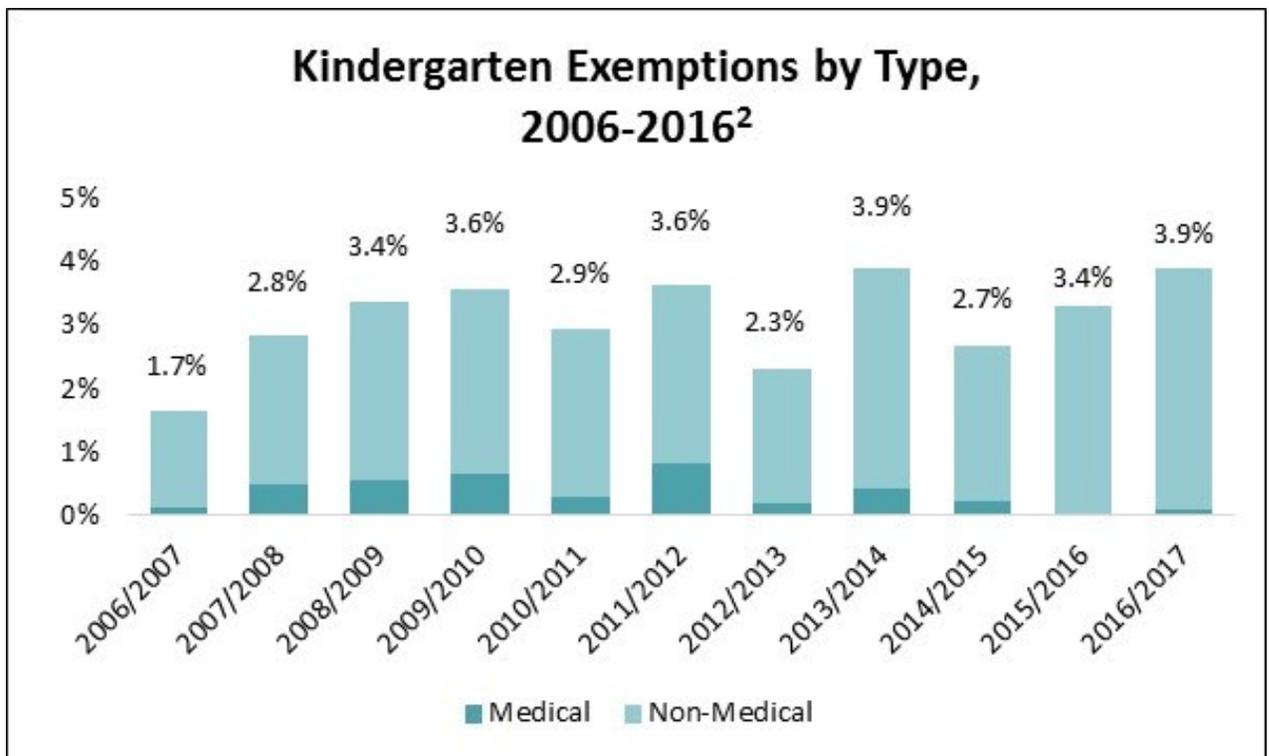
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	22,322	
	Total	Percent
≥1 dose Meningococcal	14,407	64.5%
≥1 TDaP	16,166	72.4%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	67,155	
	Total	Percent
≥1 dose Influenza in lifetime	43,962	65.5%
≥1 dose Influenza last flu season*	15,476	23.0%

*Last flu season between 07/01/2016 and 6/30/2017. ^Total also includes individuals with an unknown gender in USIIS.

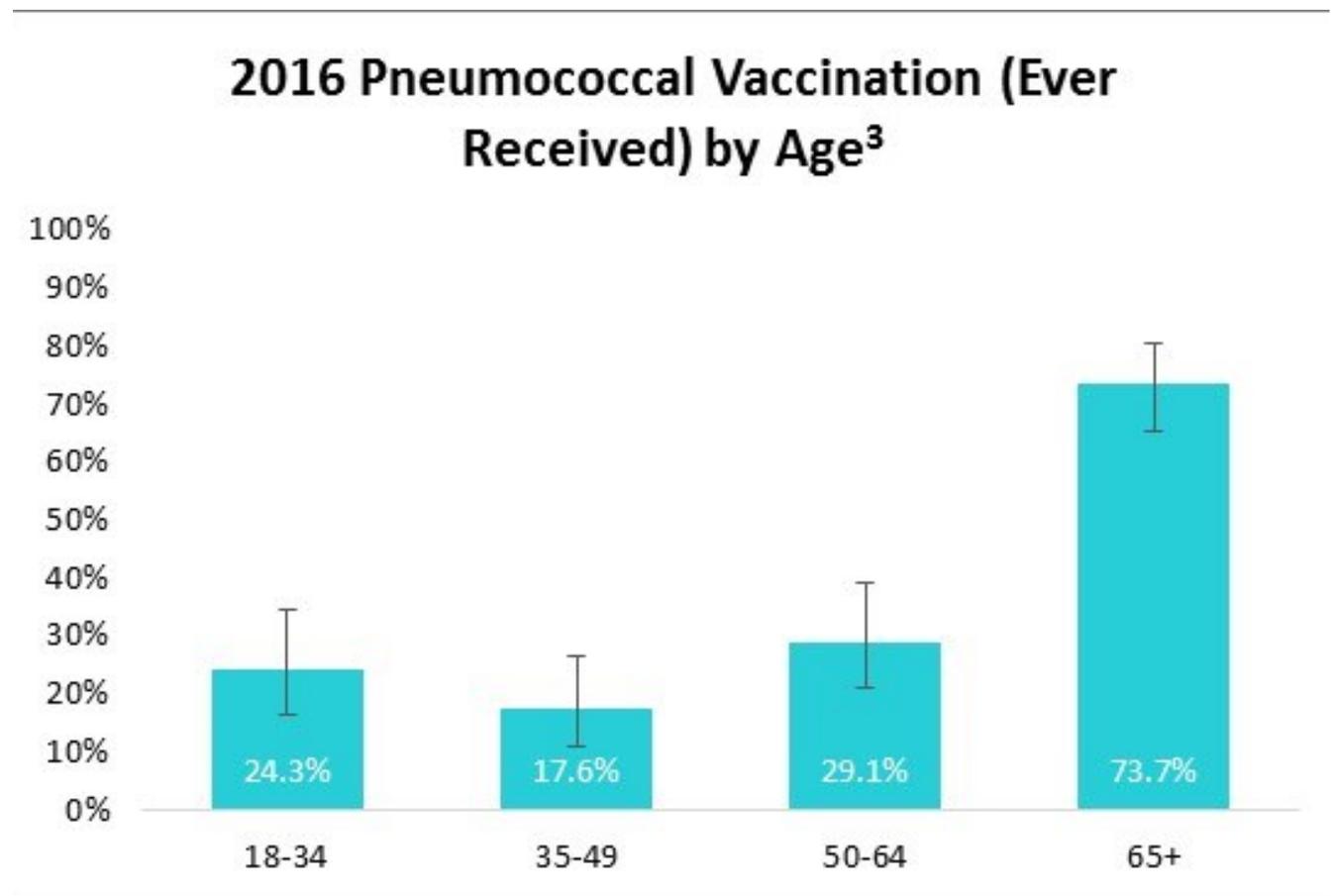
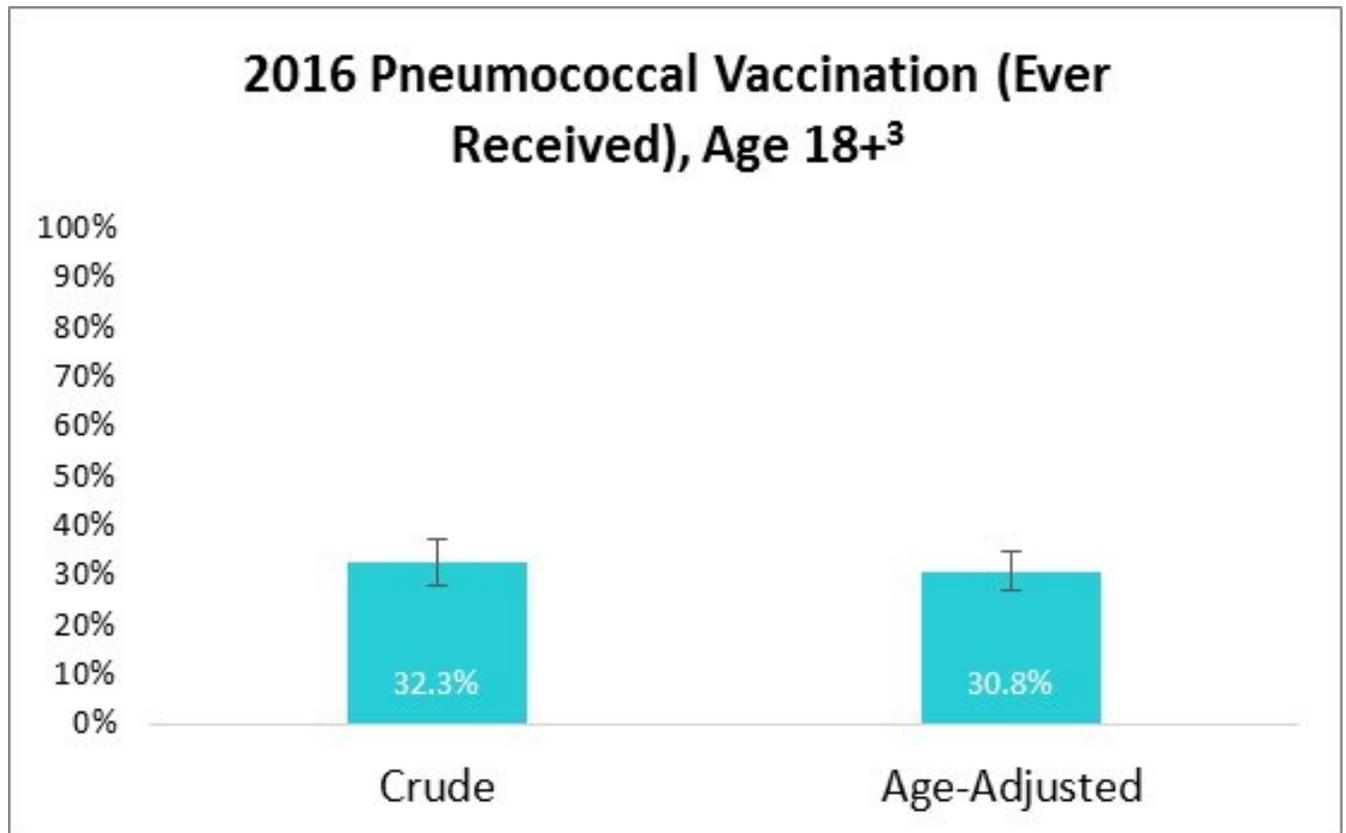
Adequately Immunized by School District 2016 ²								
	Box Elder		Cache		Logan City		Rich	
	Adequate Immune	Total Exmp						
Kindergarten School Entry	91.8%	5.4%	95.4%	2.9%	96.2%	1.7%	100%	0%
Second-Dose Measles (K-12)	96.9%	3.0%	96.7%	3.3%	98.8%	1.1%	99.0%	1.0%
7th Grade Entry	95.9%	3.6%	96.1%	3.9%	98.6%	1.4%	100%	0%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	96.5%	1.2%
Head Start Centers	96.4%	0.8%

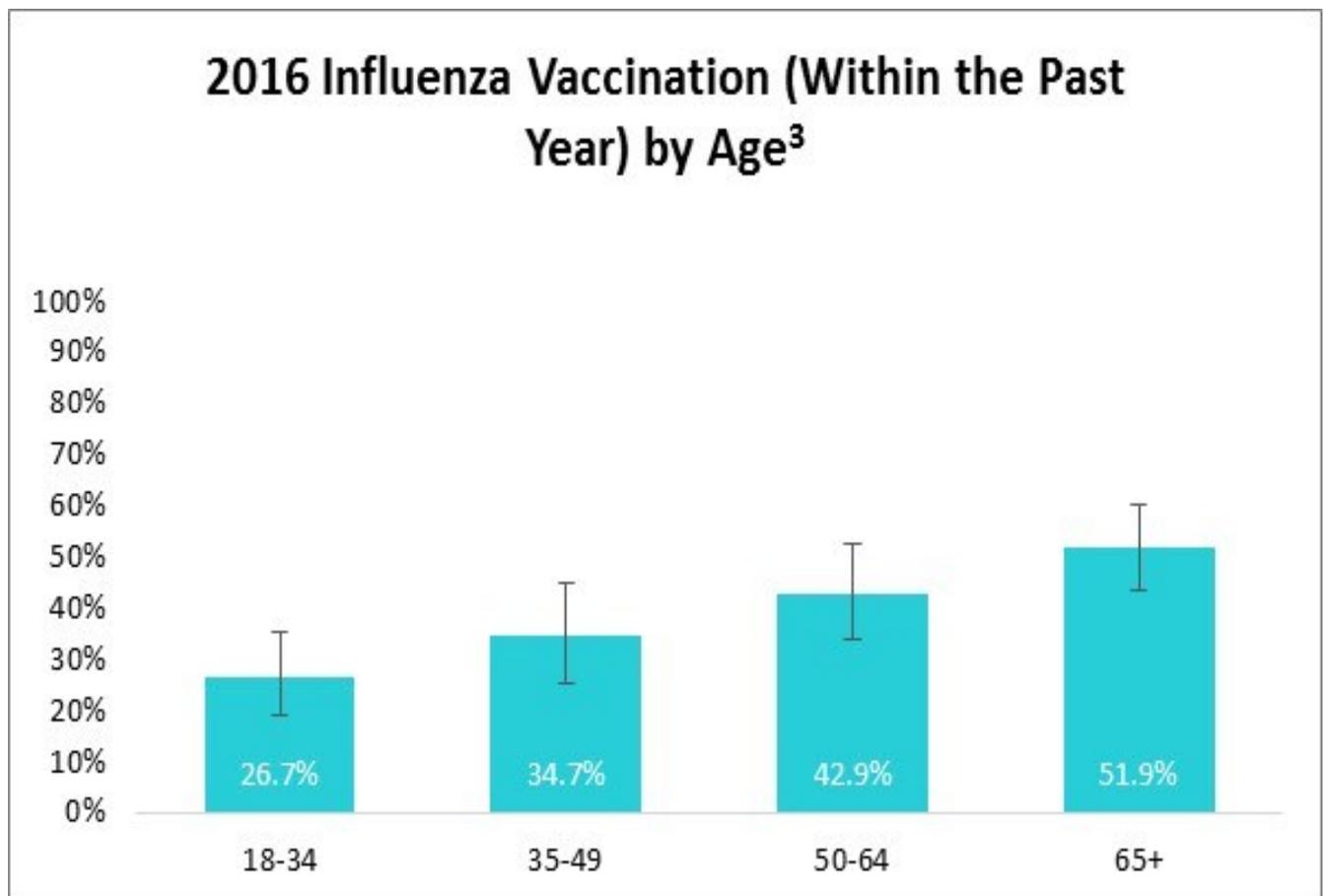
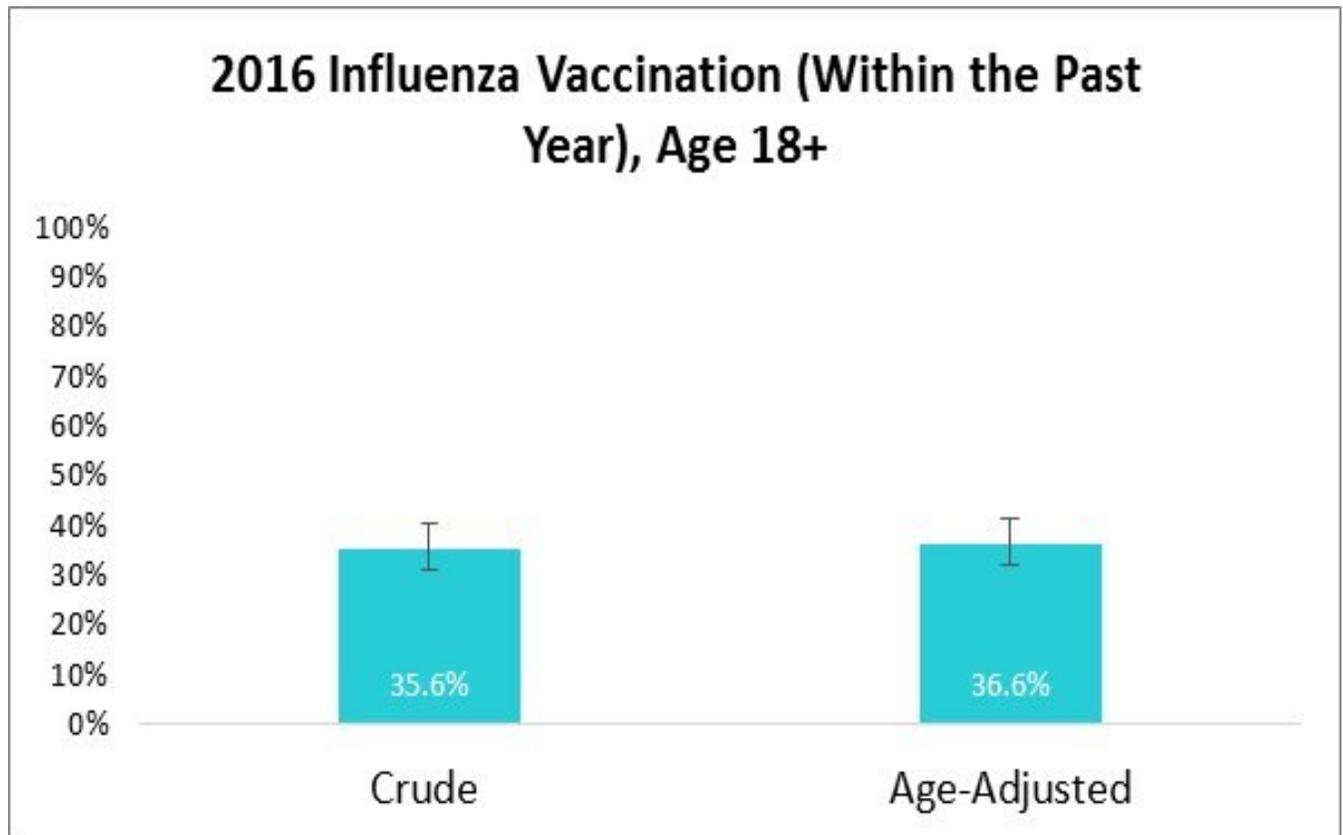


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	127,713	
	Total	Percent
≥1 dose Influenza last season*	26,216	20.5%
≥1 dose influenza in lifetime	72,490	56.8%
≥1 Tdap	64,053	50.2%
≥1 Varicella	10,487	8.2%
≥1 HPV	6,037	4.7%
≥1 Zoster	10,278	8.0%
≥1 MMR	47,664	37.3%
≥1 PCV13	11,403	8.9%
≥1PPSV23	14,041	11.0%
≥1 Hep A	34,835	27.3%
≥1 Hep B	43,345	33.9%
≥1 Meningococcal	15,369	12.0%
≥1 HIB	27,500	21.5%

*Last flu season between 07/01/2016 and 6/30/2017

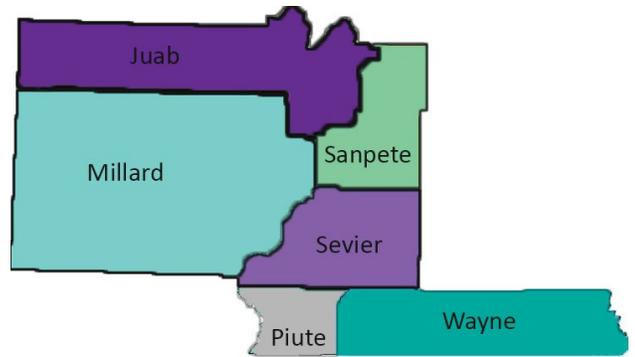


Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	1,126	
	Total	Percent
≥3 doses DTaP	1,020	90.6%
≥4 doses DTaP	834	74.1%
≥3 doses Polio	1,005	89.3%
≥1 dose MMR	1,004	89.2%
≥3 doses Hib	980	87.0%
≥1 dose Hib	1,112	98.8%
≥3 doses Hep B	1,010	89.7%
Hep B Birth dose	936	83.1%
≥1 dose Varicella	980	87.0%
≥3 doses PCV	995	88.4%
≥4 doses PCV	808	71.8%
≥2 doses Hep A	694	61.6%
≥1 dose Rotavirus	928	82.4%
4:3:1	818	72.6%
4:3:1:3	806	71.6%
4:3:1:4	734	65.2%
4:3:1:3:3	799	71.0%
4:3:1:0:3:1	801	71.1%
4:3:1:3:3:1	790	70.2%
4:3:1:4:3:1	723	64.2%
4:3:1:3:3:1:4	719	63.9%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	336	
	Total	Percent
≥1 dose DTaP	333	99.1%
≥1 dose Polio	334	99.4%
≥1 dose Hib	334	99.4%
≥1 dose Hep B	334	99.4%
≥2 doses Hep B	316	94.0%
≥1 dose PCV	328	97.6%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	485	
	Total	Percent
≥2 doses DTaP	415	85.6%
≥2 doses Polio	414	85.4%
≥2 doses Hib	409	84.3%
≥2 doses Hep B	459	94.6%
≥2 doses PCV	409	84.3%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4 = 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1 = 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella. 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1 = 4 DTaP, 3 Polio, 1 MMR, 4 PCV, 3 HepB, 1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	1,098	
	Total	Percent
≥3 doses DTaP	820	74.7%
≥2 doses Polio	992	90.3%
≥1 dose MMR	389	35.4%
≥2 doses Hib	979	89.2%
≥3 doses Hib	695	63.3%
≥2 doses Hep B	1,047	95.4%
≥3 doses Hep B	892	81.2%
≥1 dose Varicella	367	33.4%
≥3 doses PCV	815	74.2%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	1,621	
	Total	Percent
≥3 doses DTaP	1,276	78.7%
≥4 doses DTaP	477	29.4%
≥3 doses Polio	1,271	78.4%
≥1 dose MMR	812	50.1%
≥3 doses Hib	1,122	69.2%
≥1 dose Hib	1,600	98.7%
≥3 doses Hep B	1,361	84.0%
≥1 dose Varicella	784	48.4%
≥3 doses PCV	1,260	77.7%
>4 dose PCV	709	43.7%
4:3:1	462	28.5%
4:3:1:3	457	28.2%
4:3:1:4	433	26.7%
4:3:1:3:3	450	27.8%
4:3:1:0:3	455	28.1%
4:3:1:4:3	427	26.3%
4:3:1:3:3:1	451	27.8%
4:3:1:0:3:1	451	27.8%
4:3:1:4:3:1	426	26.3%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	2,117	
	Total	Percent
≥3 doses DTaP	1,709	80.7%
≥4 doses DTaP	811	38.3%
≥3 doses Polio	1,691	79.9%
≥1 dose MMR	1,230	58.1%
≥3 doses Hib	1,531	72.3%
≥1 dose Hib	2,085	98.5%
≥3 doses Hep B	1,793	84.7%
≥1 dose Varicella	1,193	56.4%
≥3 doses PCV	1,680	79.4%
≥4 doses PCV	1,005	47.5%
4:3:1	790	37.3%
4:3:1:3	781	36.9%
4:3:1:4	730	34.5%
4:3:1:3:3	769	36.3%
4:3:1:0:3	777	36.7%
4:3:1:4:3	722	34.1%
4:3:1:3:3:1	761	35.9%
4:3:1:0:3:1	770	36.4%
4:3:1:4:3:1	719	34.0%
4:3:1:3:3:1:4	713	33.7%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total [^]	9,609	Female Total	4,551	Male Total	4,982
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	3,906	40.6%	2,213	48.6%	1,680	33.7%
2 HPV	2,128	22.1%	1,300	28.6%	821	16.5%
3 HPV	1,138	11.8%	727	16.0%	407	8.2%

12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	9,609	
	Total	Percent
≥1 dose Meningococcal	5,987	62.3%
≥1 TDaP	7,338	76.4%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	26,346	
	Total	Percent
≥1 dose Influenza in lifetime	15,092	57.3%
≥1 dose Influenza last flu season*	5,470	20.8%

*Last flu season between 07/01/2016 and 6/30/2017. ^Total also includes individuals with an unknown gender in USIIS.

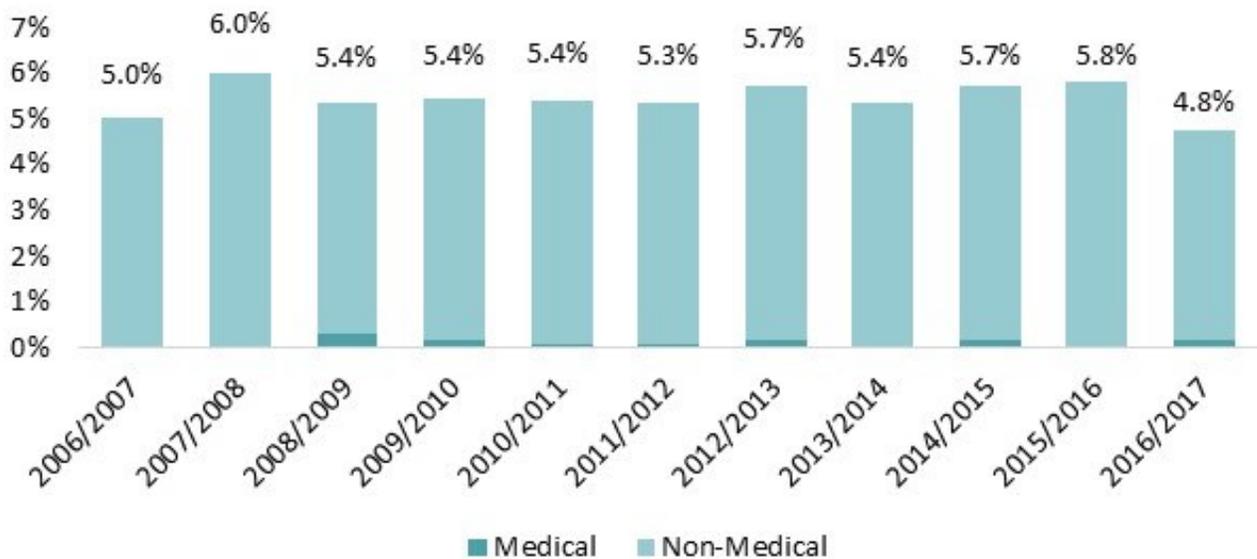
Adequately Immunized by School District 2016²

	Juab		Millard		N Sanpete		Piute		Sevier		S Sanpete		Tintic		Wayne	
	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp
Kindergarten School Entry	88.4%	6.4%	92.0%	4.3%	84.9%	8.7%	100%	0%	93.3%	2.9%	85.9%	2.8%	80.0%	10.0%	82.1%	14.3%
Second-Dose Measles (K-12)	92.4%	7.5%	95.4%	4.4%	90.3%	8.3%	98.6%	1.4%	95.5%	4.4%	94.3%	4.1%	96.3%	3.8%	91.6%	8.4%
7th Grade Entry	84.2%	14.1%	91.8%	6.1%	86.6%	11.0%	100%	0%	94.4%	5.5%	74.7%	10.6%	90.9%	9.1%	85.7%	5.7%

Immunized for Child Care 2016²

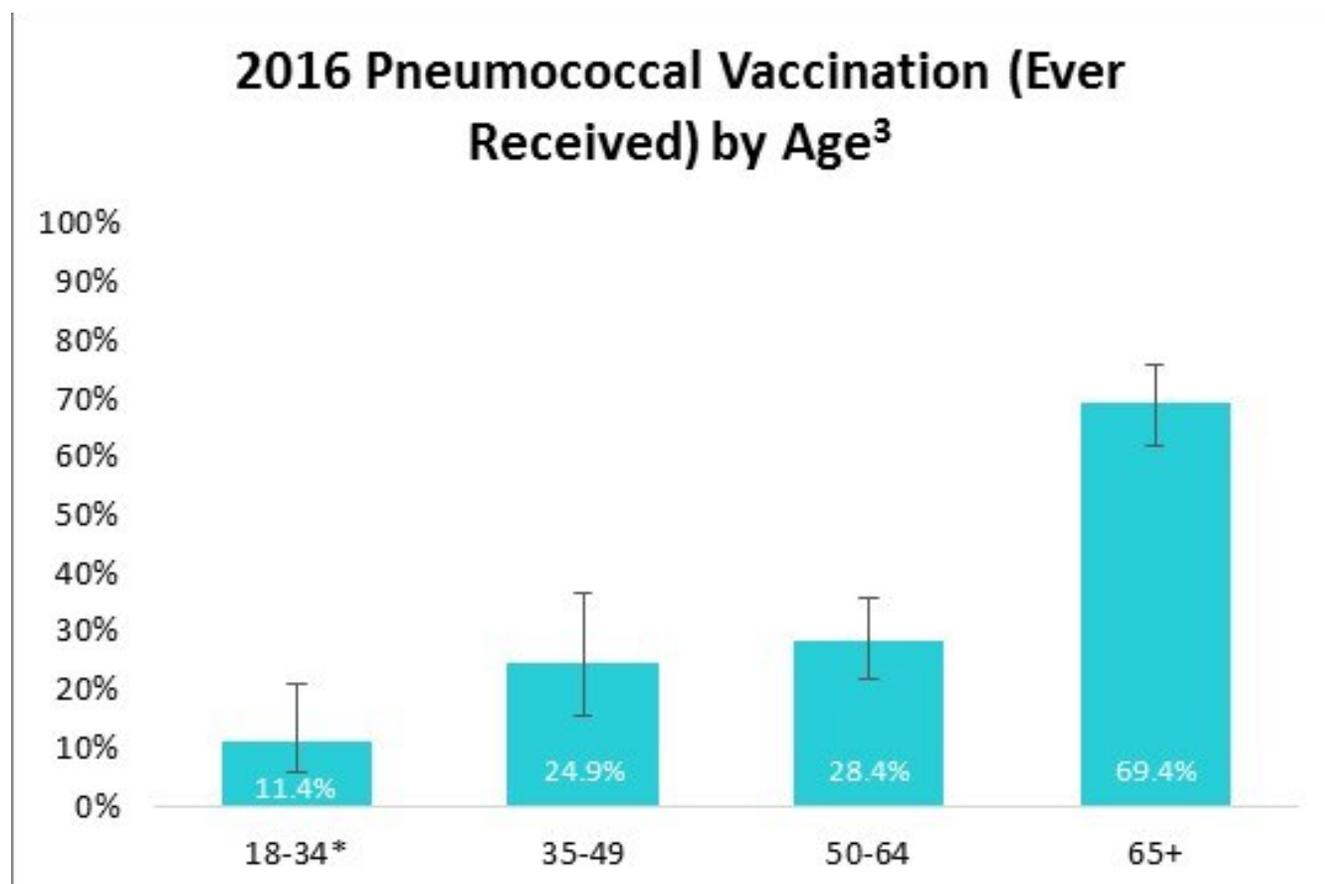
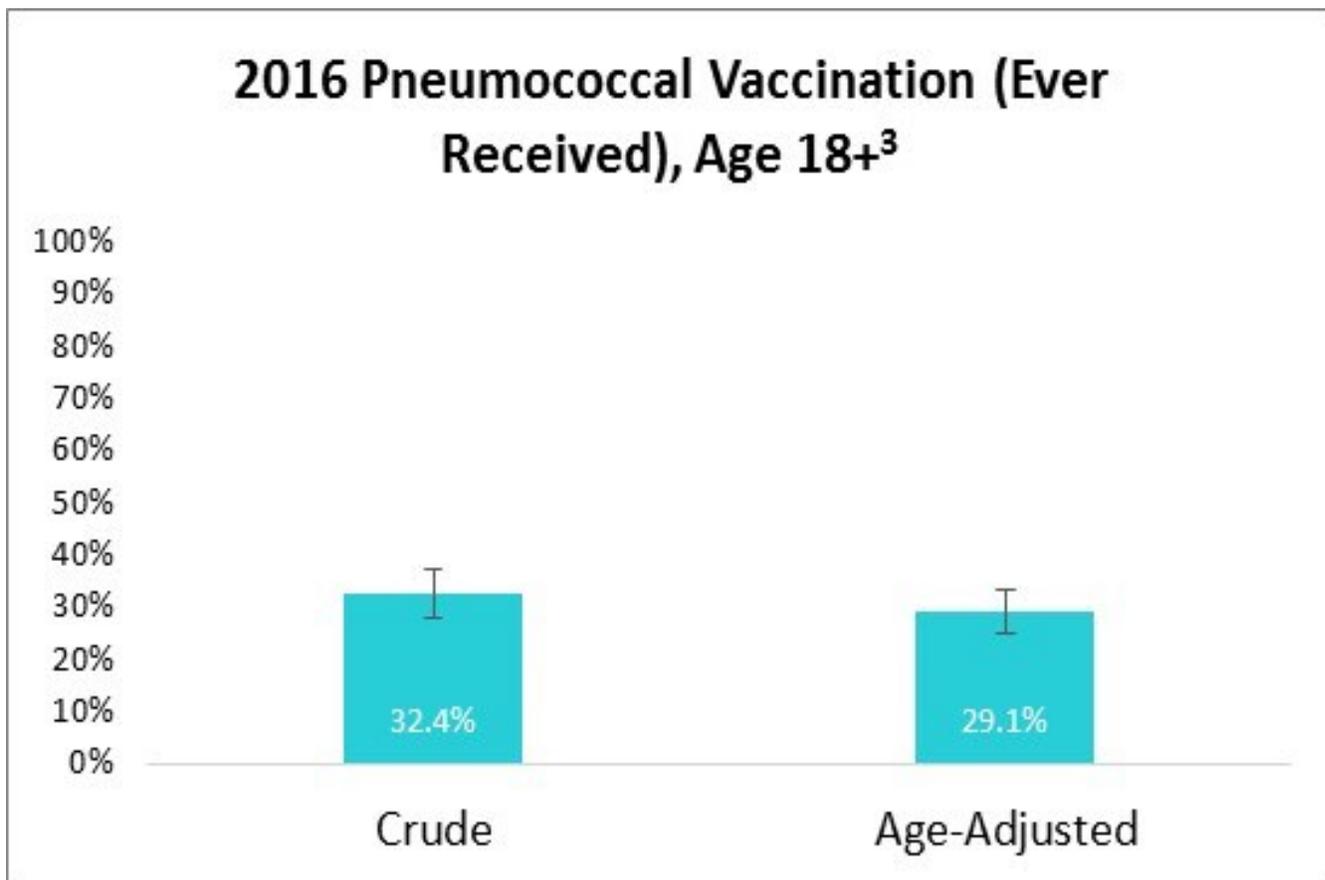
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	95.1%	1.2%
Head Start Centers	96.1%	3.2%

Kindergarten Exemptions by Type, 2006-2016²

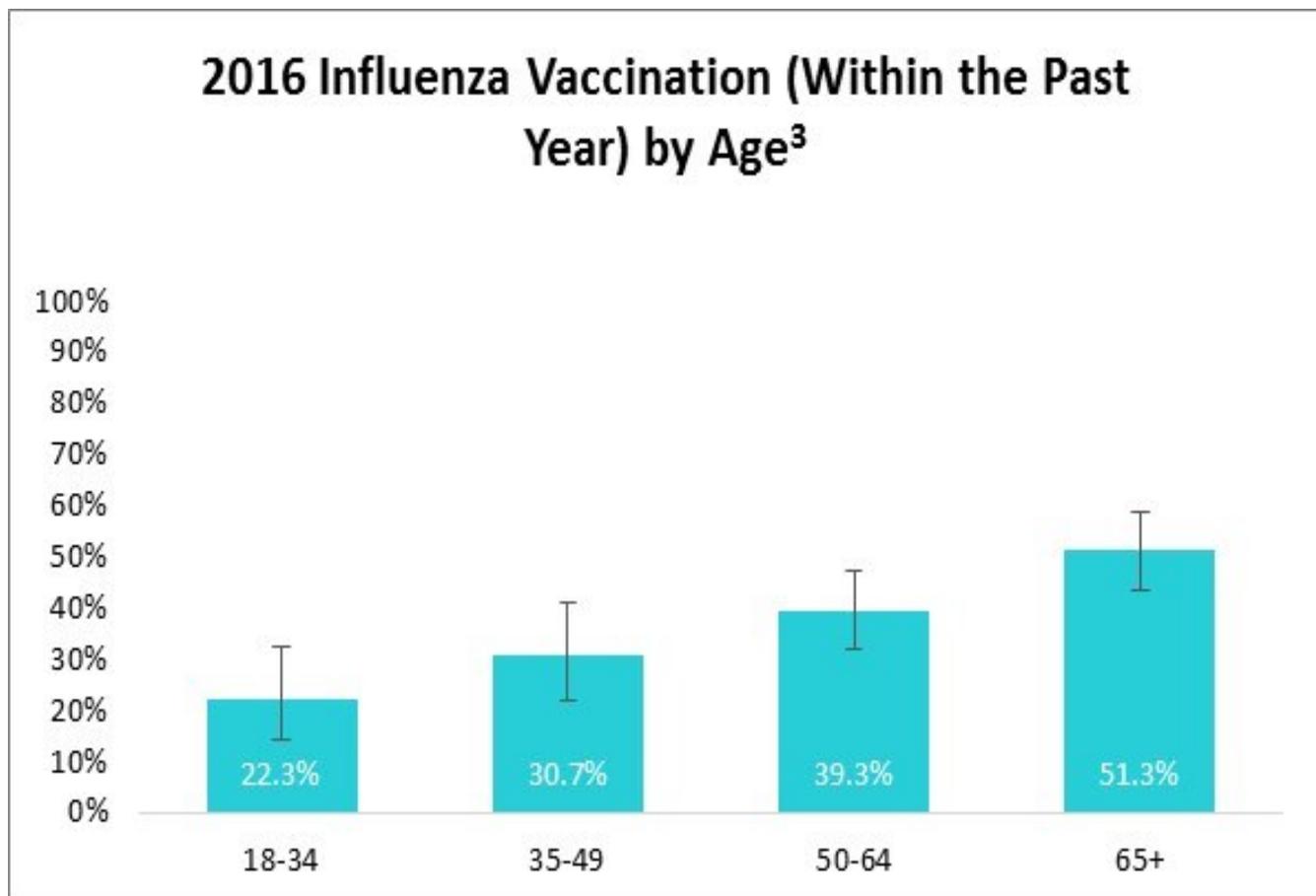
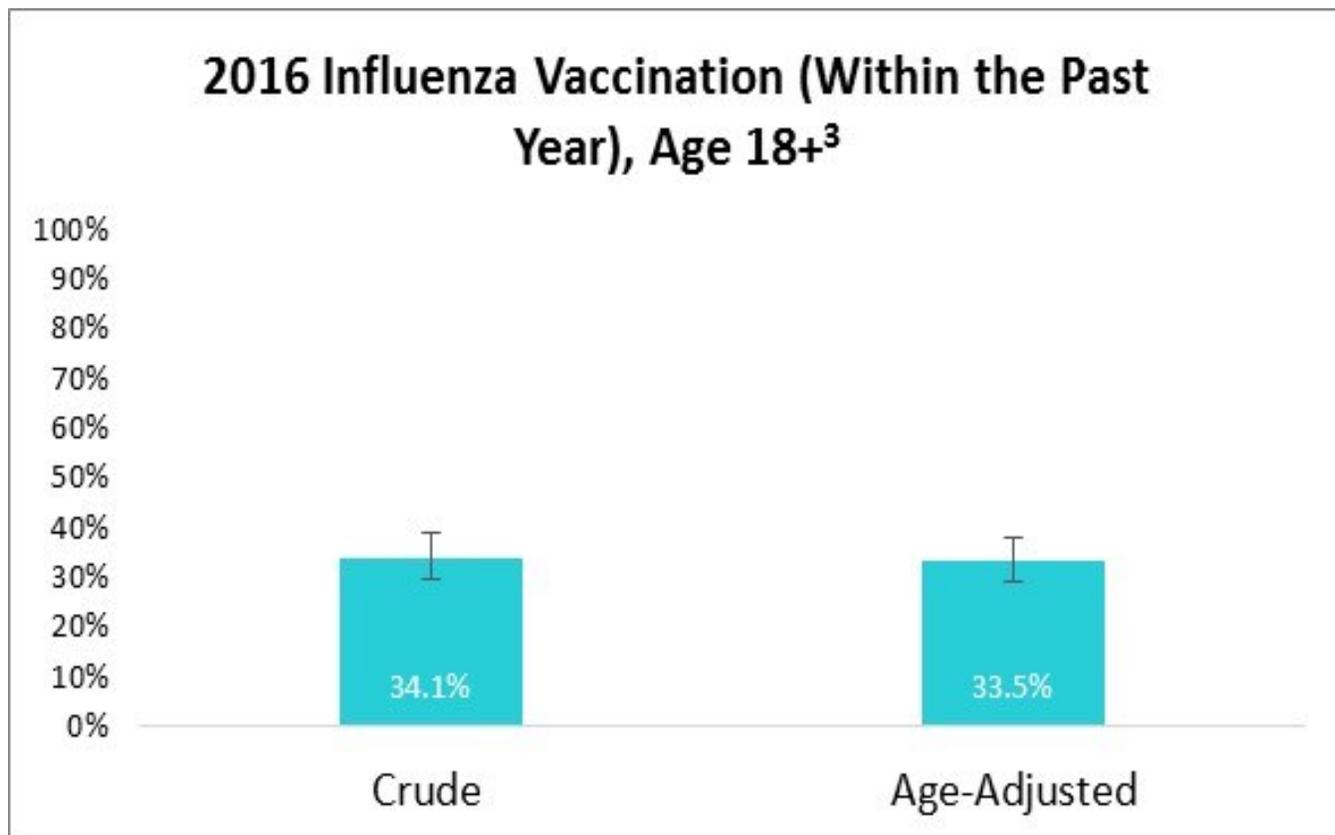


≥19 Years of Age ⁵		
Adults in USIIS born on or before 07/1/1998		
Total	57,644	
	Total	Percent
≥1 dose Influenza last season*	13,140	22.8%
≥1 dose influenza in lifetime	36,027	62.5%
≥1 TDaP	22,143	38.4%
≥1 Varicella	3,720	6.5%
≥1 HPV	2,024	3.5%
≥1 Zoster	4,322	7.5%
≥1 MMR	17,117	29.7%
≥1 PCV13	6,736	11.7%
≥1PPSV23	7,582	13.2%
≥1 Hep A	15,028	26.1%
≥1 Hep B	16,516	28.7%
≥1 Meningococcal	4,575	7.9%
≥1 HIB	8,767	15.2%

*Last flu season between 07/01/2016 and 6/30/2017

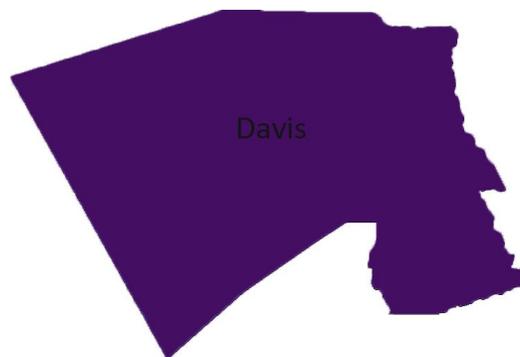


Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates. * Use caution in interpreting, the estimate has a coefficient of variation >30%, and therefore is deemed unreliable by UDOH standards.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	6,099	
	Total	Percent
≥3 doses DTaP	5,462	89.6%
≥4 doses DTaP	4,672	76.6%
≥3 doses Polio	5,355	87.8%
≥1 dose MMR	5,285	86.7%
≥3 doses Hib	5,388	88.3%
≥1 dose Hib	6,003	98.4%
≥3 doses Hep B	5,197	85.2%
Hep B Birth dose	5,143	84.3%
≥1 dose Varicella	5,262	86.3%
≥3 doses PCV	5,320	87.2%
≥4 doses PCV	4,567	74.9%
≥2 doses Hep A	4,365	71.6%
≥1 dose Rotavirus	5,477	89.8%
4:3:1	4,509	73.9%
4:3:1:3	4,495	73.7%
4:3:1:4	4,278	70.1%
4:3:1:3:3	4,398	72.1%
4:3:1:0:3:1	4,388	71.9%
4:3:1:3:3:1	4,375	71.7%
4:3:1:4:3:1	4,190	68.7%
4:3:1:3:3:1:4	4,185	68.6%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	1,771	
	Total	Percent
≥1 dose DTaP	1,764	99.6%
≥1 dose Polio	1,752	98.9%
≥1 dose Hib	1,759	99.3%
≥1 dose Hep B	1,751	98.9%
≥2 doses Hep B	1,679	94.8%
≥1 dose PCV	1,755	99.1%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	2,532	
	Total	Percent
≥2 doses DTaP	2,323	91.7%
≥2 doses Polio	2,305	91.0%
≥2 doses Hib	2,313	91.4%
≥2 doses Hep B	2,402	94.9%
≥2 doses PCV	2,305	91.0%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio,1 MMR, 4 PCV, 3 HepB,1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	5,804	
	Total	Percent
≥3 doses DTaP	4,700	81.0%
≥2 doses Polio	5,362	92.4%
≥1 dose MMR	2,489	42.9%
≥2 doses Hib	5,396	93.0%
≥3 doses Hib	4,589	79.1%
≥2 doses Hep B	5,492	94.6%
≥3 doses Hep B	4,393	75.7%
≥1 dose Varicella	2,458	42.4%
≥3 doses PCV	4,738	81.6%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	8,602	
	Total	Percent
≥3 doses DTaP	7,210	83.8%
≥4 doses DTaP	3,085	35.9%
≥3 doses Polio	7,103	82.6%
≥1 dose MMR	4,897	56.9%
≥3 doses Hib	7,078	82.3%
≥1 dose Hib	8,528	99.1%
≥3 doses Hep B	6,753	78.5%
≥1 dose Varicella	4,879	56.7%
≥3 doses PCV	7,259	84.4%
>4 dose PCV	4,188	48.7%
4:3:1	2,972	34.6%
4:3:1:3	2,962	34.4%
4:3:1:4	2,890	33.6%
4:3:1:3:3	2,889	33.6%
4:3:1:0:3	2,901	33.7%
4:3:1:4:3	2,825	32.8%
4:3:1:3:3:1	2,888	33.6%
4:3:1:0:3:1	2,889	33.6%
4:3:1:4:3:1	2,819	32.8%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	11,150	
	Total	Percent
≥3 doses DTaP	9,460	84.8%
≥4 doses DTaP	4,955	44.4%
≥3 doses Polio	9,319	83.6%
≥1 dose MMR	7,155	64.2%
≥3 doses Hib	9,306	83.5%
≥1 dose Hib	11,037	99.0%
≥3 doses Hep B	8,903	79.8%
≥1 dose Varicella	7,127	63.9%
≥3 doses PCV	9,495	85.2%
≥4 doses PCV	5,844	52.4%
4:3:1	4,792	43.0%
4:3:1:3	4,775	42.8%
4:3:1:4	4,632	41.5%
4:3:1:3:3	4,651	41.7%
4:3:1:0:3	4,667	41.9%
4:3:1:4:3	4,523	40.6%
4:3:1:3:3:1	4,631	41.5%
4:3:1:0:3:1	4,649	41.7%
4:3:1:4:3:1	4,514	40.5%
4:3:1:3:3:1:4	4,509	40.4%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total[^]	40,312	Female Total	19,521	Male Total	20,698
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	19,469	48.3%	10,572	54.2%	8,864	42.8%
2 HPV	11,911	29.5%	6,676	34.2%	5,216	25.2%
3 HPV	6,409	15.9%	3,772	19.3%	2,629	12.7%

12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	40,312	
	Total	Percent
≥1 dose Meningococcal	28,518	70.7%
≥1 TDaP	30,134	74.8%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	123,262	
	Total	Percent
≥1 dose Influenza in lifetime	87,092	70.7%
≥1 dose Influenza last flu season*	33,485	27.2%

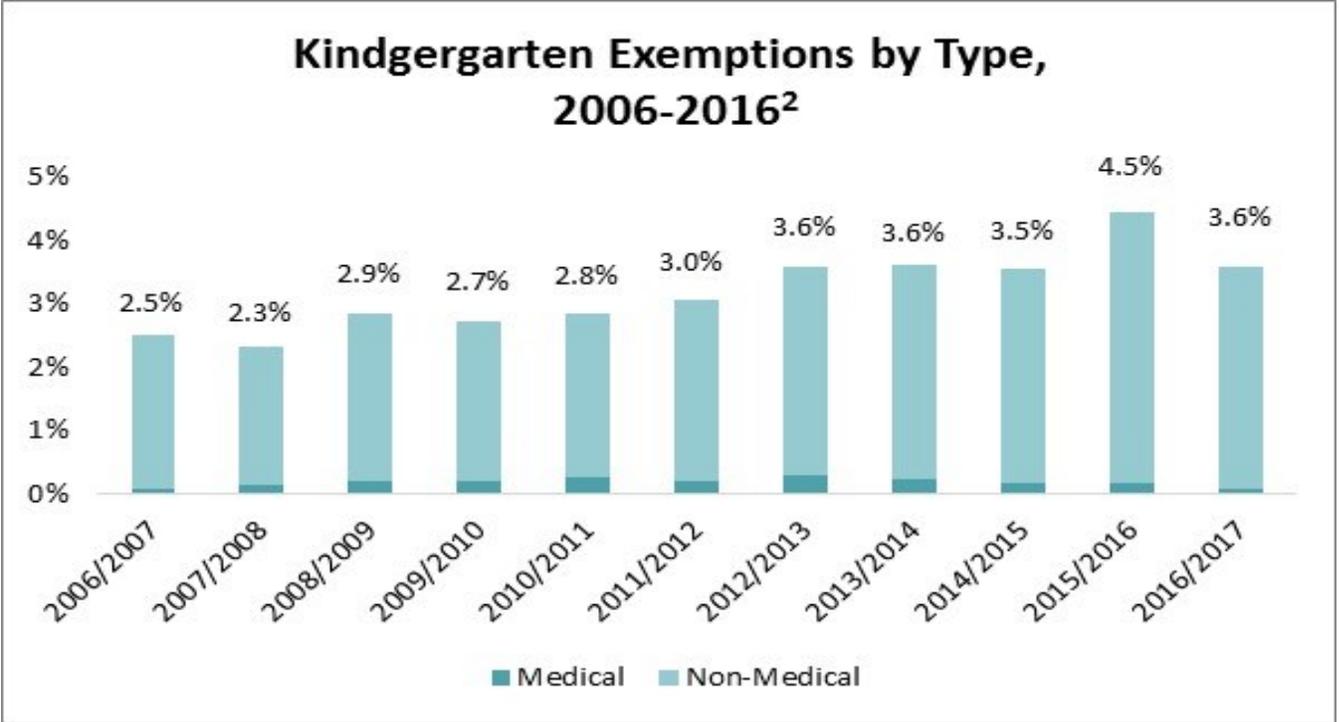
*Last flu season between 07/01/2016 and 6/30/2017. [^]Total also includes individuals with an unknown gender in USIIS.

Adequately Immunized by School District 2016²

Davis School District		
	Adequately Immunized	Total Exemptions
Kindergarten School Entry	92.6%	3.6%
Second-Dose Measles (K-12)	97.1%	2.8%
7th Grade Entry	94.6%	3.6%

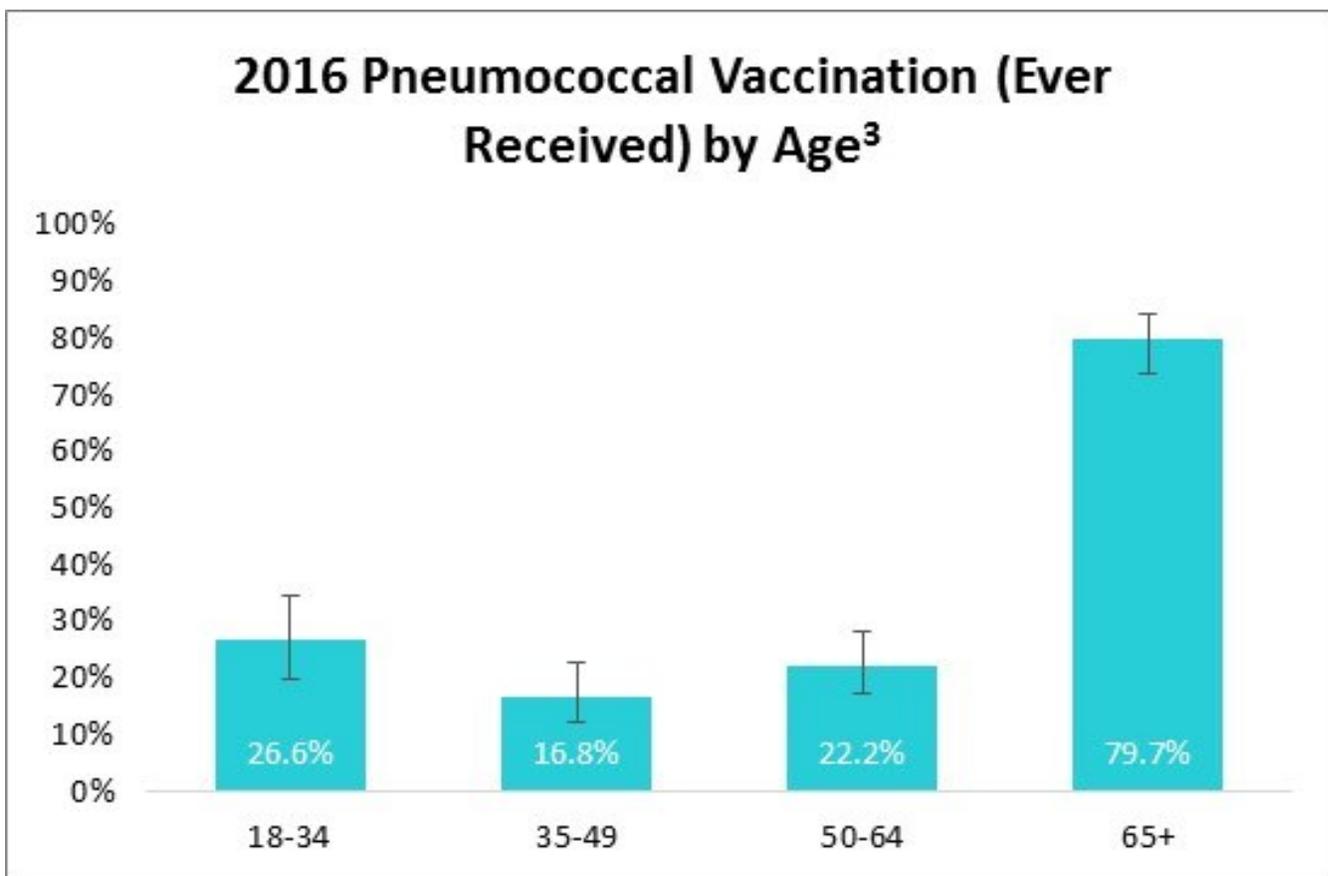
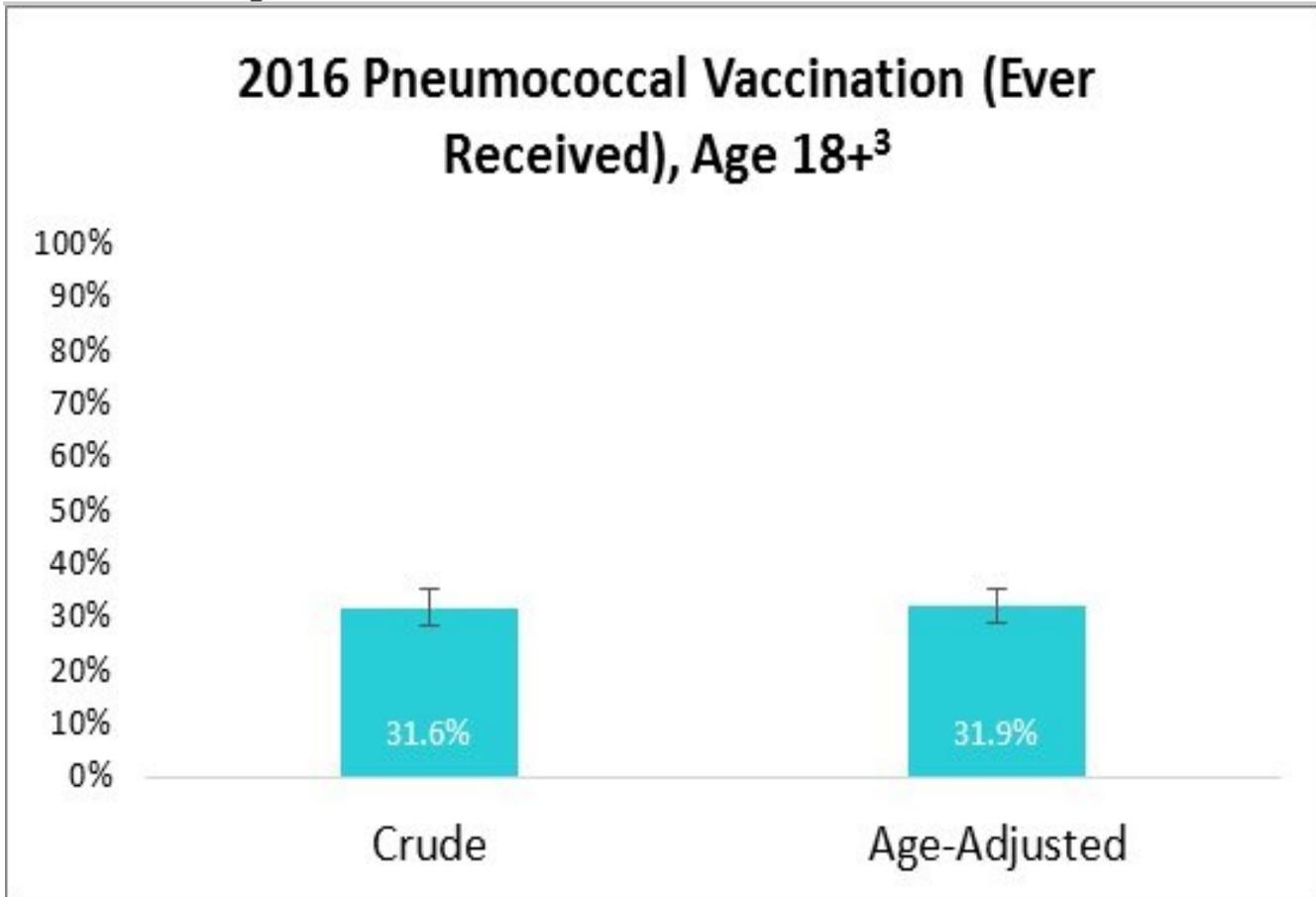
Immunized for Child Care 2016²

	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	80.0%	1.3%
Head Start Centers	N/A	N/A

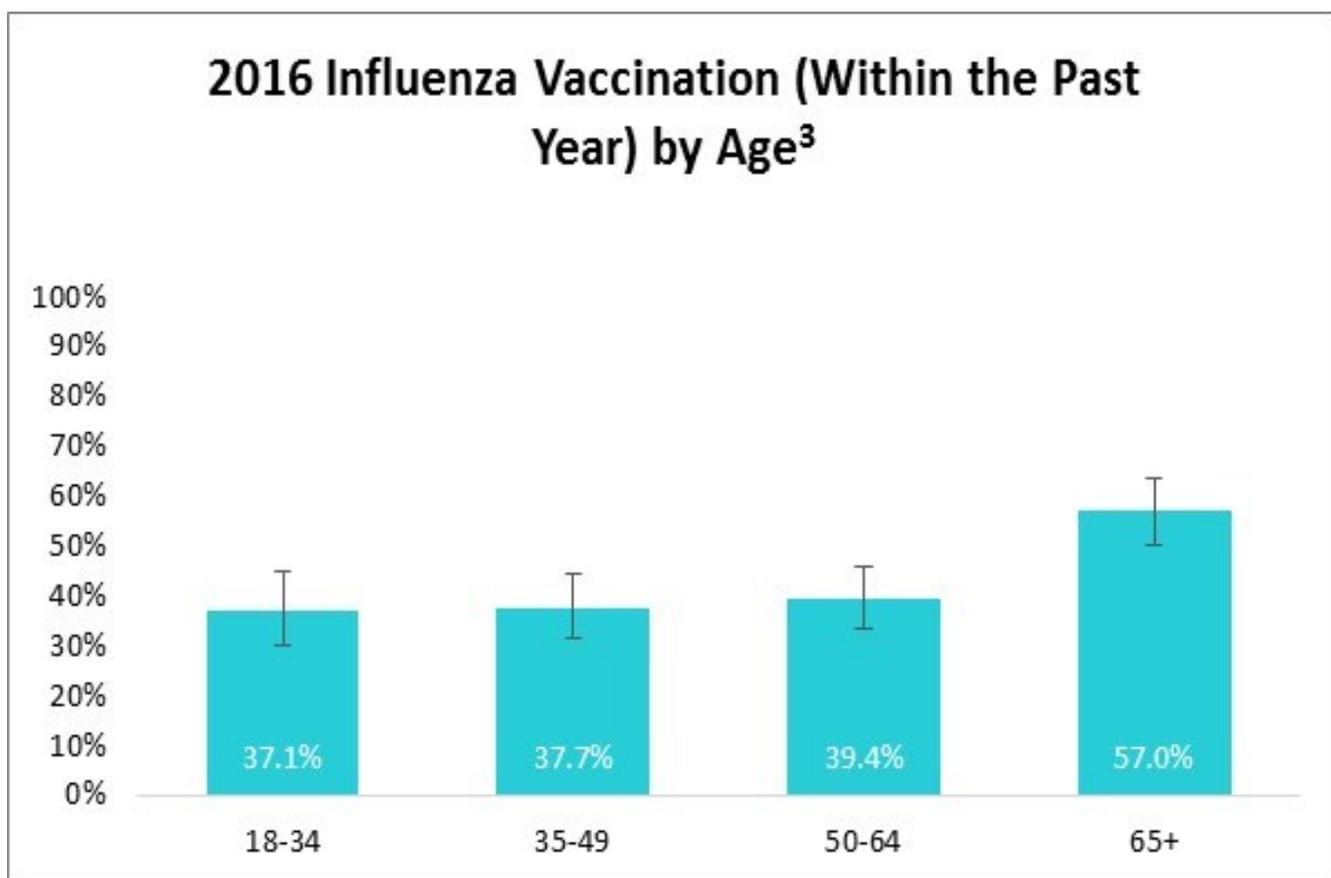
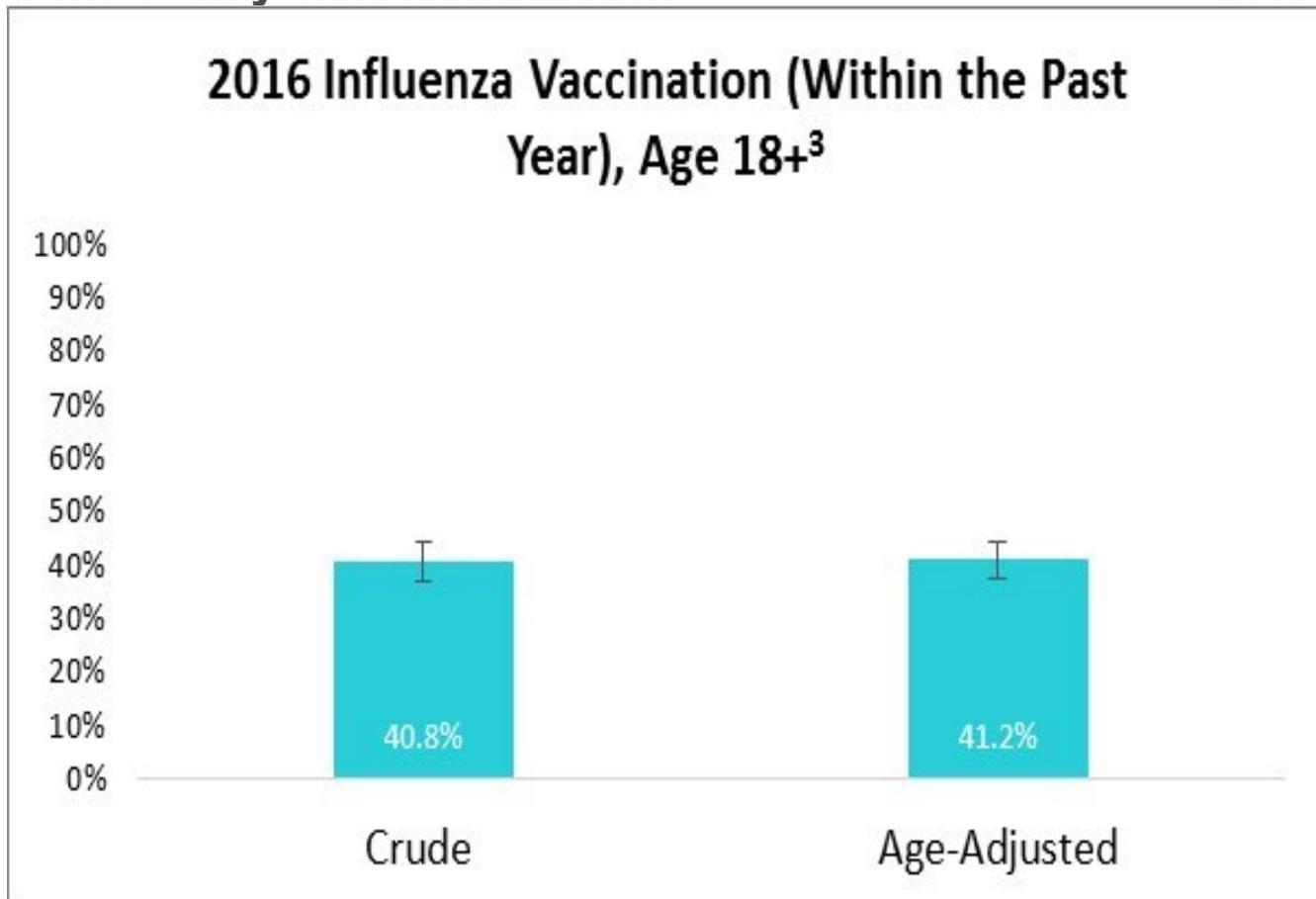


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	239,036	
	Total	Percent
≥1 dose Influenza last season*	56,177	23.5%
≥1 dose influenza in lifetime	137,821	57.7%
≥1 TDaP	99,118	41.5%
≥1 Varicella	18,401	7.7%
≥1 HPV	11,681	4.9%
≥1 Zoster	16,646	7.0%
≥1 MMR	88,299	36.9%
≥1 PCV13	20,925	8.8%
≥1PPSV23	25,723	10.8%
≥1 Hep A	62,159	26.0%
≥1 Hep B	73,020	30.5%
≥1 Meningococcal	23,682	9.9%
≥1 HIB	38,860	16.3%

*Last flu season between 07/01/2016 and 6/30/2017



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	17,945	
	Total	Percent
≥3 doses DTaP	16,886	94.1%
≥4 doses DTaP	15,336	85.5%
≥3 doses Polio	16,600	92.5%
≥1 dose MMR	16,353	91.1%
≥3 doses Hib	16,403	91.4%
≥1 dose Hib	17,761	99.0%
≥3 doses Hep B	16,554	92.2%
Hep B Birth dose	14,537	81.0%
≥1 dose Varicella	16,232	90.5%
≥3 doses PCV	16,606	92.5%
≥4 doses PCV	14,766	82.3%
≥2 doses Hep A	14,015	78.1%
≥1 dose Rotavirus	16,446	91.6%
4:3:1	15,111	84.2%
4:3:1:3	14,959	83.4%
4:3:1:4	14,323	79.8%
4:3:1:3:3	14,725	82.1%
4:3:1:0:3:1	14,802	82.5%
4:3:1:3:3:1	14,662	81.7%
4:3:1:4:3:1	14,078	78.5%
4:3:1:3:3:1:4	14,032	78.2%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	5,481	
	Total	Percent
≥1 dose DTaP	5,459	99.6%
≥1 dose Polio	5,426	99.0%
≥1 dose Hib	5,450	99.4%
≥1 dose Hep B	5,409	98.7%
≥2 doses Hep B	5,264	96.0%
≥1 dose PCV	5,445	99.3%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	7,920	
	Total	Percent
≥2 doses DTaP	7,430	93.8%
≥2 doses Polio	7,379	93.2%
≥2 doses Hib	7,386	93.3%
≥2 doses Hep B	7,615	96.1%
≥2 doses PCV	7,394	93.4%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio, 1 MMR, 4 PCV, 3 HepB, 1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	17,951	
	Total	Percent
≥3 doses DTaP	15,549	86.6%
≥2 doses Polio	16,904	94.2%
≥1 dose MMR	7,606	42.4%
≥2 doses Hib	16,942	94.4%
≥3 doses Hib	13,652	76.1%
≥2 doses Hep B	17,277	96.2%
≥3 doses Hep B	15,787	87.9%
≥1 dose Varicella	7,028	39.2%
≥3 doses PCV	15,386	85.7%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	26,433	
	Total	Percent
≥3 doses DTaP	23,416	88.6%
≥4 doses DTaP	10,367	39.2%
≥3 doses Polio	23,145	87.6%
≥1 dose MMR	15,064	57.0%
≥3 doses Hib	21,299	80.6%
≥1 dose Hib	26,202	99.1%
≥3 doses Hep B	23,504	88.9%
≥1 dose Varicella	14,369	54.4%
≥3 doses PCV	23,182	87.7%
>4 dose PCV	12,935	48.9%
4:3:1	10,138	38.4%
4:3:1:3	10,110	38.2%
4:3:1:4	9,867	37.3%
4:3:1:3:3	9,901	37.5%
4:3:1:0:3	9,939	37.6%
4:3:1:4:3	9,684	36.6%
4:3:1:3:3:1	9,848	37.3%
4:3:1:0:3:1	9,848	37.3%
4:3:1:4:3:1	9,614	36.4%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	33,986	
	Total	Percent
≥3 doses DTaP	30,522	89.8%
≥4 doses DTaP	16,699	49.1%
≥3 doses Polio	30,160	88.7%
≥1 dose MMR	21,909	64.5%
≥3 doses Hib	28,249	83.1%
≥1 dose Hib	33,695	99.1%
≥3 doses Hep B	30,424	89.5%
≥1 dose Varicella	21,148	62.2%
≥3 doses PCV	30,214	88.9%
≥4 doses PCV	18,504	54.4%
4:3:1	16,382	48.2%
4:3:1:3	16,314	48.0%
4:3:1:4	15,852	46.6%
4:3:1:3:3	15,928	46.9%
4:3:1:0:3	15,998	47.1%
4:3:1:4:3	15,498	45.6%
4:3:1:3:3:1	15,815	46.5%
4:3:1:0:3:1	15,881	46.7%
4:3:1:4:3:1	15,405	45.3%
4:3:1:3:3:1:4	15,379	45.3%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total [^]	137,220	Female Total	66,970	Male Total	69,722
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	71,441	52.1%	37,133	55.4%	34,080	48.9%
2 HPV	48,837	35.6%	26,239	39.2%	22,472	32.2%
3 HPV	30,258	22.1%	16,827	25.1%	13,357	19.2%

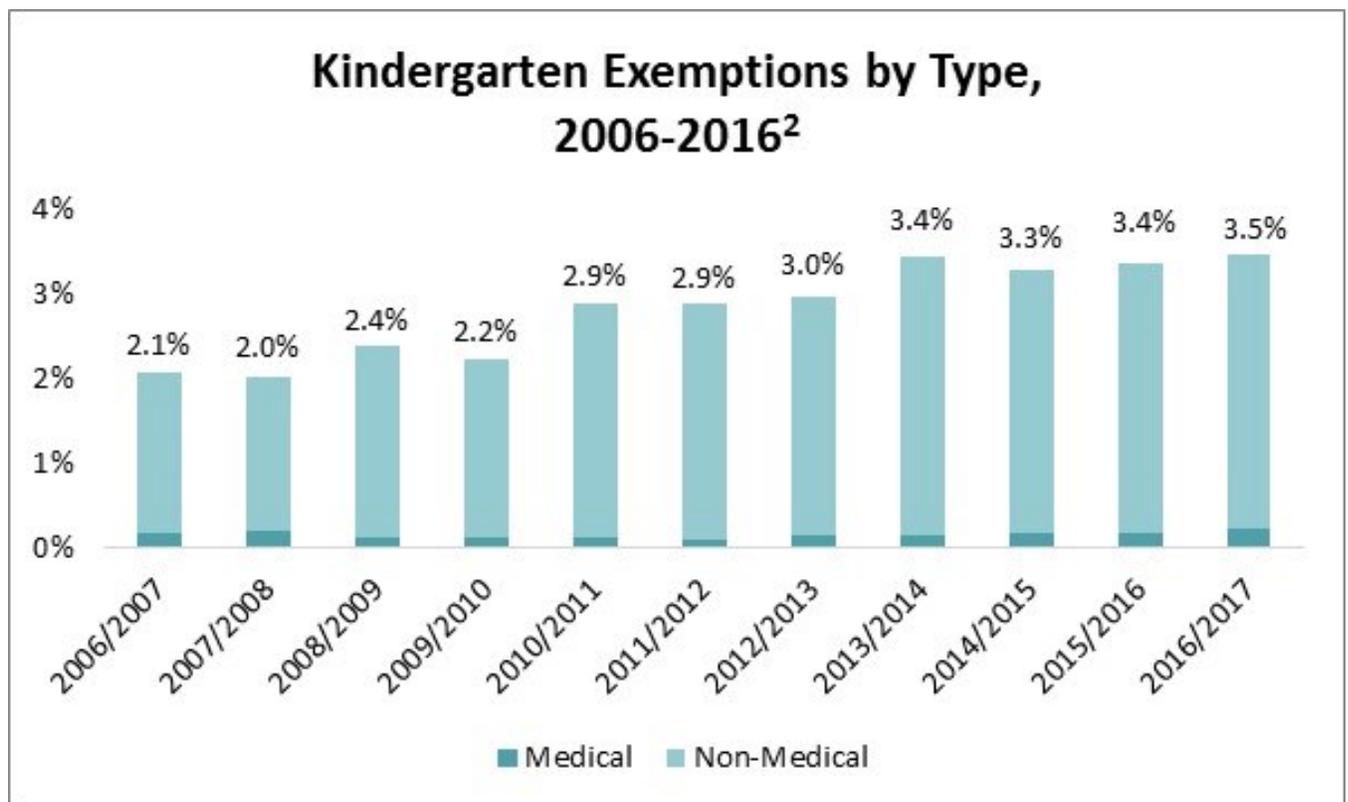
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	137,220	
	Total	Percent
≥1 dose Meningococcal	92,682	67.5%
≥1 TDaP	98,157	71.5%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	397,349	
	Total	Percent
≥1 dose Influenza in lifetime	284,213	71.5%
≥1 dose Influenza last flu season*	110,105	27.7%

*Last flu season between 07/01/2016 and 6/30/2017. [^]Total also includes individuals with an unknown gender in USIIS.

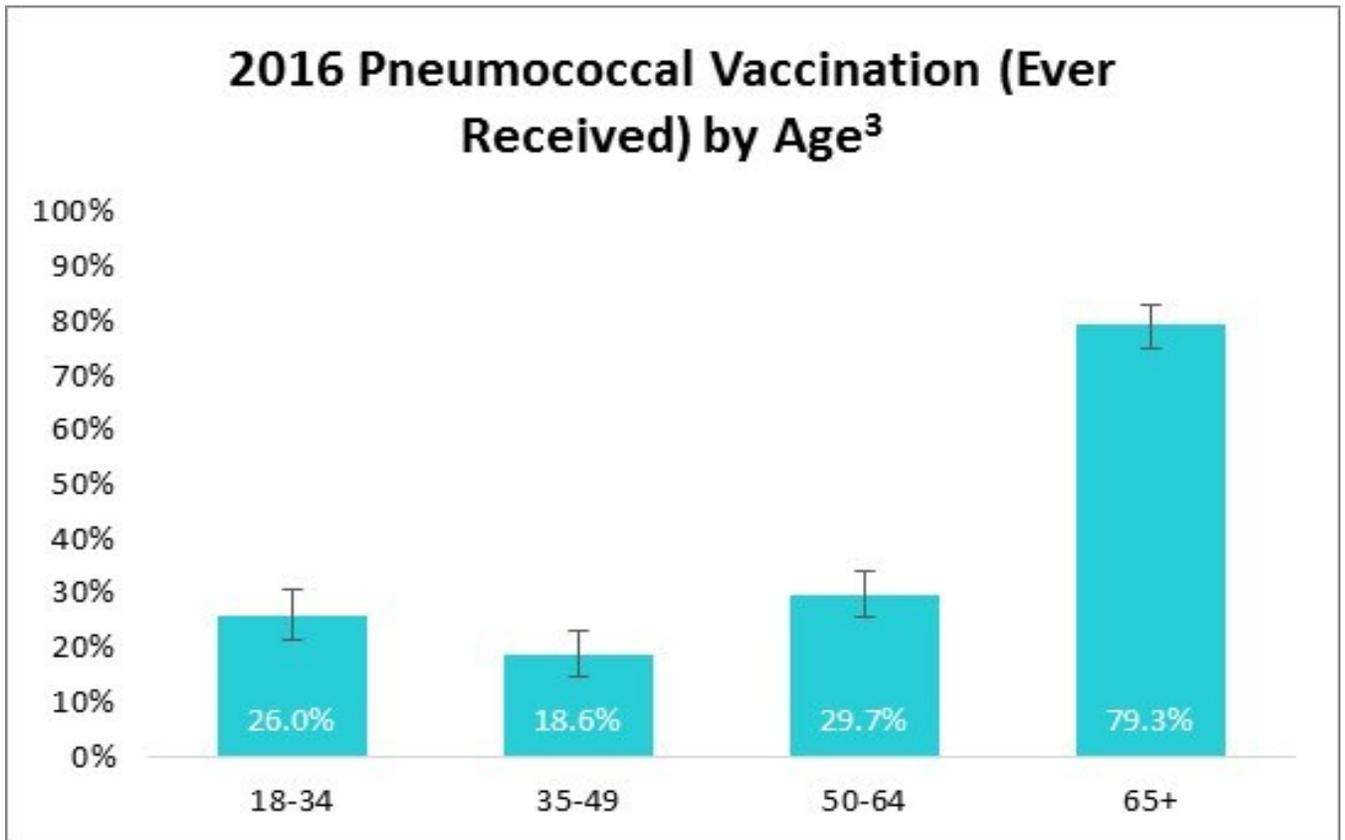
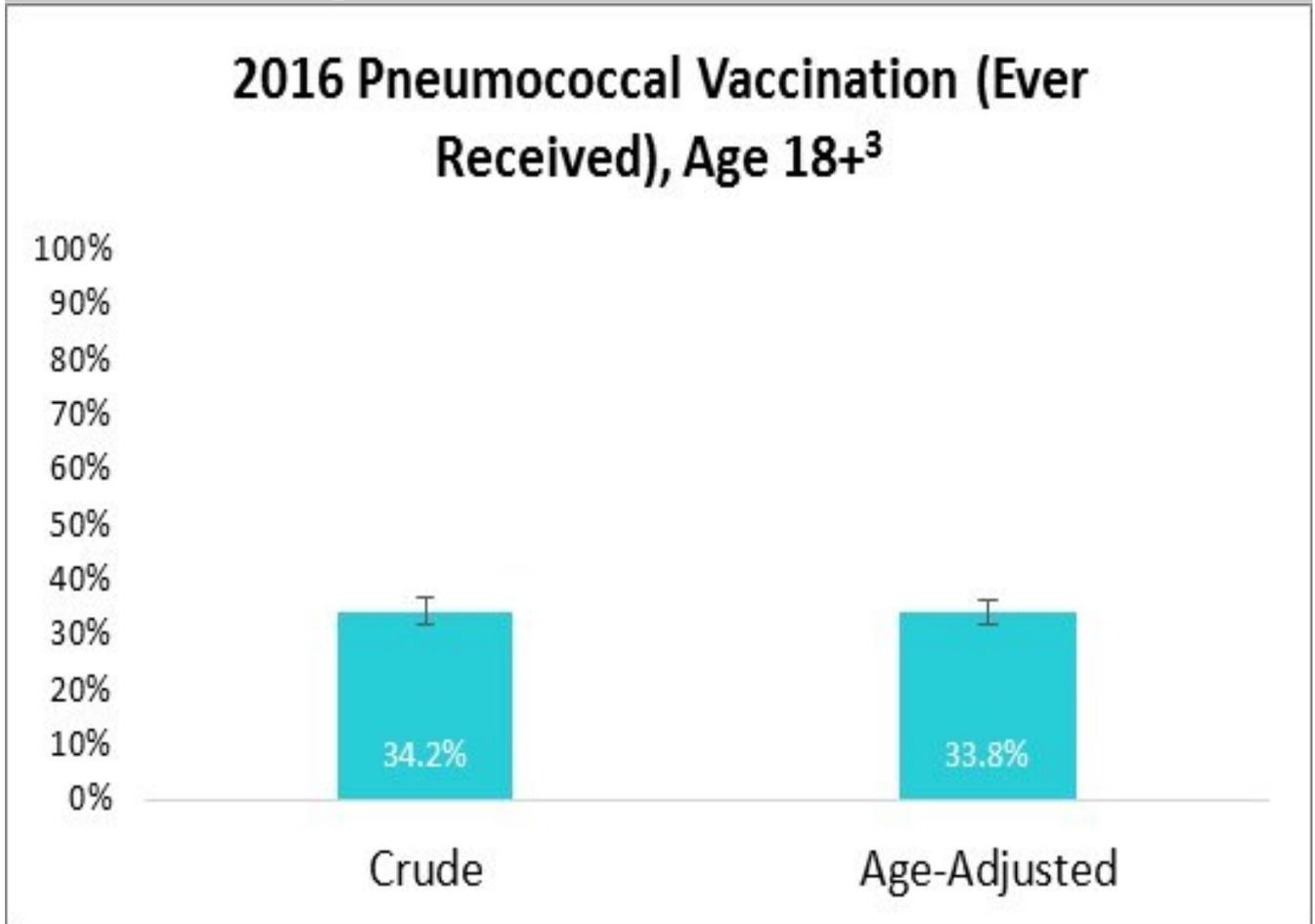
Adequately Immunized by School District 2016 ²										
	Canyons		Granite		Jordan		Murray		Salt Lake	
	Adequate Immun	Total Exempt								
Kindergarten School Entry	91.2%	5.5%	93.0%	2.4%	94.3%	3.1%	86.9%	2.5%	95.7%	3.0%
Second-Dose Measles (K-12)	96.8%	3.1%	98.3%	1.5%	97.1%	2.8%	97.6%	1.7%	98.5%	1.3%
7th Grade Entry	95.4%	3.9%	96.1%	3.0%	94.7%	4.2%	96.4%	3.0%	96.3%	1.2%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	94.6%	1.9%
Head Start Centers	100%	0%



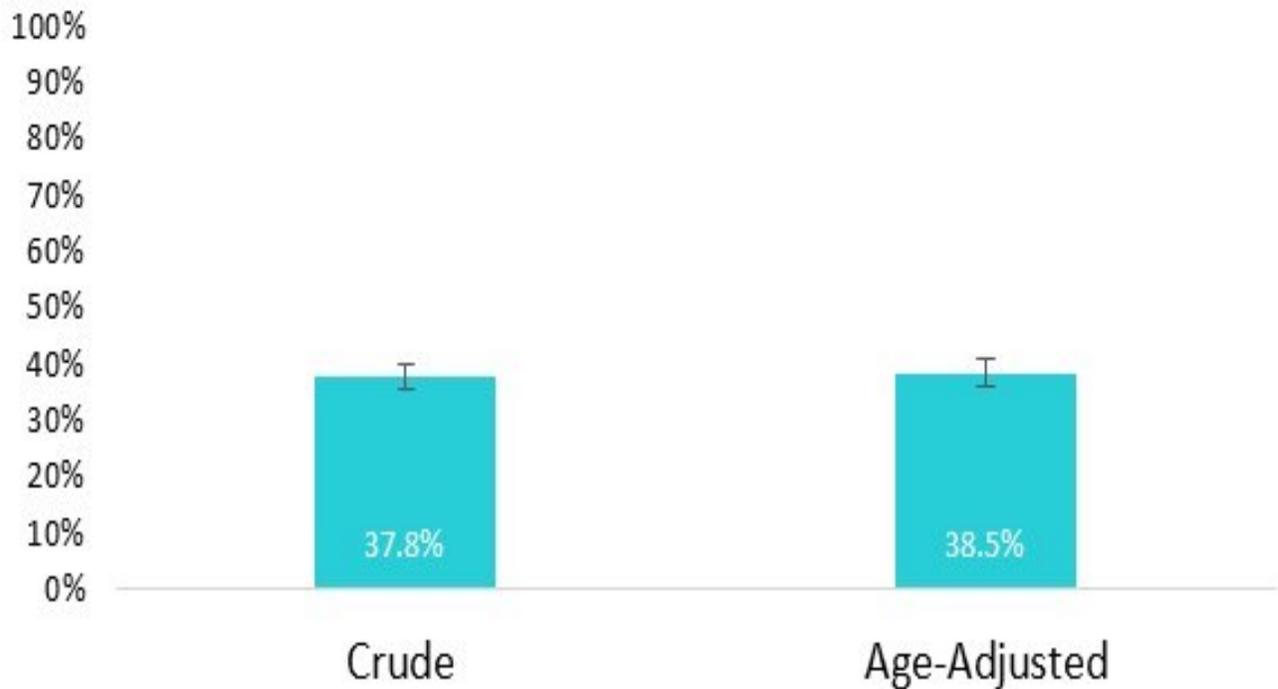
≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	845,244	
	Total	Percent
≥1 dose Influenza last season*	195,040	23.1%
≥1 dose influenza in lifetime	500,330	59.2%
≥1 TDaP	360,940	42.7%
≥1 Varicella	95,392	11.3%
≥1 HPV	53,831	6.4%
≥1 Zoster	52,706	6.2%
≥1 MMR	305,041	36.1%
≥1 PCV13	75,271	8.9%
≥1PPSV23	99,761	11.8%
≥1 Hep A	253,789	30.0%
≥1 Hep B	284,293	33.6%
≥1 Meningococcal	95,542	11.3%
≥1 HIB	142,278	16.8%

*Last flu season between 07/01/2016 and 6/30/2017

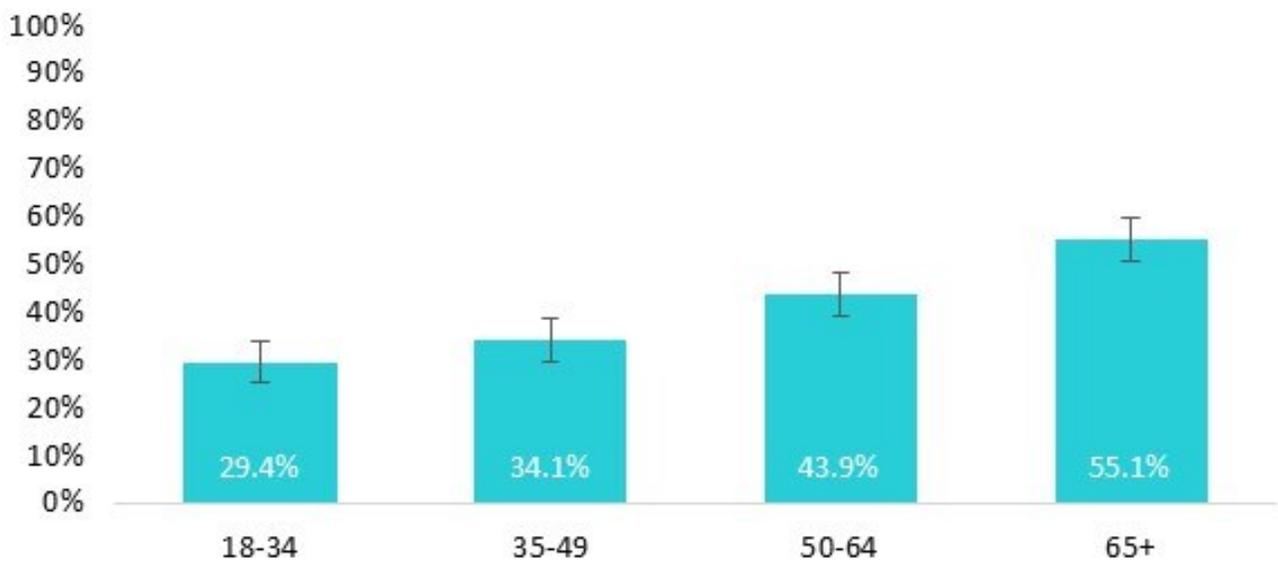


Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

2016 Influenza Vaccination (Within the Past Year), Age 18+³



2016 Influenza Vaccination (Within the Past Year) by Age³



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	253	
	Total	Percent
≥3 doses DTaP	232	91.7%
≥4 doses DTaP	191	75.5%
≥3 doses Polio	230	90.9%
≥1 dose MMR	225	88.9%
≥3 doses Hib	219	86.6%
≥1 dose Hib	252	99.6%
≥3 doses Hep B	240	94.9%
Hep B Birth dose	229	90.5%
≥1 dose Varicella	225	88.9%
≥3 doses PCV	227	89.7%
≥4 doses PCV	175	69.2%
≥2 doses Hep A	156	61.7%
≥1 dose Rotavirus	220	87.0%
4:3:1	191	75.5%
4:3:1:3	189	74.7%
4:3:1:4	166	65.6%
4:3:1:3:3	189	74.7%
4:3:1:0:3:1	191	75.5%
4:3:1:3:3:1	189	74.7%
4:3:1:4:3:1	166	65.6%
4:3:1:3:3:1:4	166	65.6%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	53	
	Total	Percent
≥1 dose DTaP	53	100%
≥1 dose Polio	53	100%
≥1 dose Hib	53	100%
≥1 dose Hep B	53	100%
≥2 doses Hep B	51	96.2%
≥1 dose PCV	53	100%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	85	
	Total	Percent
≥2 doses DTaP	72	84.7%
≥2 doses Polio	72	84.7%
≥2 doses Hib	71	83.5%
≥2 doses Hep B	83	97.6%
≥2 doses PCV	74	87.1%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio, 1 MMR, 4 PCV, 3 HepB, 1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	194	
	Total	Percent
≥3 doses DTaP	136	70.1%
≥2 doses Polio	172	88.7%
≥1 dose MMR	69	35.6%
≥2 doses Hib	171	88.1%
≥3 doses Hib	117	60.3%
≥2 doses Hep B	188	96.9%
≥3 doses Hep B	151	77.8%
≥1 dose Varicella	70	36.1%
≥3 doses PCV	137	70.6%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	311	
	Total	Percent
≥3 doses DTaP	230	74.0%
≥4 doses DTaP	73	23.5%
≥3 doses Polio	229	73.6%
≥1 dose MMR	148	47.6%
≥3 doses Hib	206	66.2%
≥1 dose Hib	308	99.0%
≥3 doses Hep B	255	82.0%
≥1 dose Varicella	147	47.3%
≥3 doses PCV	231	74.3%
>4 dose PCV	107	34.4%
4:3:1	71	22.8%
4:3:1:3	71	22.8%
4:3:1:4	68	21.9%
4:3:1:3:3	71	22.8%
4:3:1:0:3	71	22.8%
4:3:1:4:3	68	21.9%
4:3:1:3:3:1	70	22.5%
4:3:1:0:3:1	70	22.5%
4:3:1:4:3:1	67	21.5%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	410	
	Total	Percent
≥3 doses DTaP	317	77.3%
≥4 doses DTaP	142	34.6%
≥3 doses Polio	315	76.8%
≥1 dose MMR	228	55.6%
≥3 doses Hib	289	70.5%
≥1 dose Hib	407	99.3%
≥3 doses Hep B	343	83.7%
≥1 dose Varicella	225	54.9%
≥3 doses PCV	317	77.3%
≥4 doses PCV	168	41.0%
4:3:1	139	33.9%
4:3:1:3	139	33.9%
4:3:1:4	131	32.0%
4:3:1:3:3	138	33.7%
4:3:1:0:3	138	33.7%
4:3:1:4:3	130	31.7%
4:3:1:3:3:1	135	32.9%
4:3:1:0:3:1	135	32.9%
4:3:1:4:3:1	127	31.0%
4:3:1:3:3:1:4	127	31.0%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total [^]	2,080	Female Total	1,032	Male Total	1,043
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	1,072	51.5%	583	56.5%	488	46.8%
2 HPV	795	38.2%	438	42.4%	356	34.1%
3 HPV	480	23.1%	272	26.4%	207	19.8%

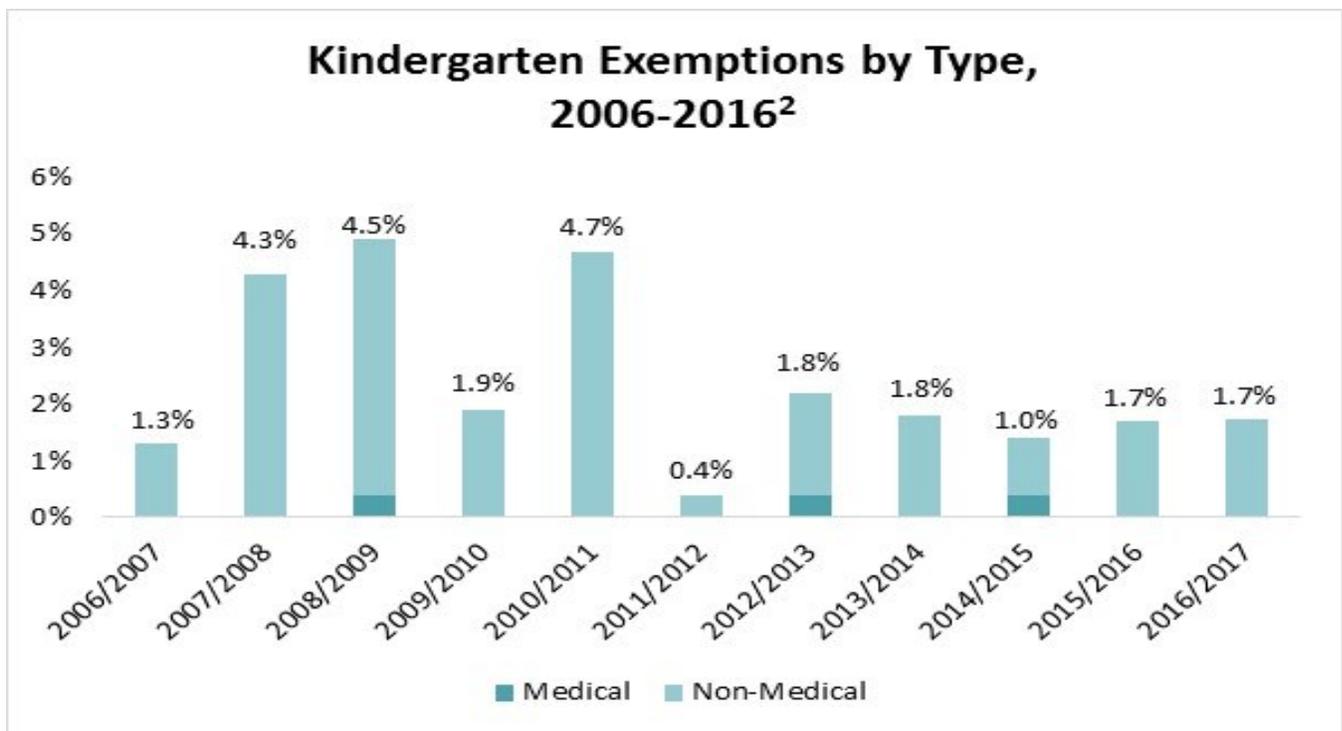
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	2,080	
	Total	Percent
≥1 dose Meningococcal	1,364	65.6%
≥1 TDaP	1,541	74.1%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	5,870	
	Total	Percent
≥1 dose Influenza in lifetime	3,558	60.6%
≥1 dose Influenza last flu season*	1,130	19.3%

*Last flu season between 07/01/2016 and 6/30/2017. ^Total also includes individuals with an unknown gender in USIIS.

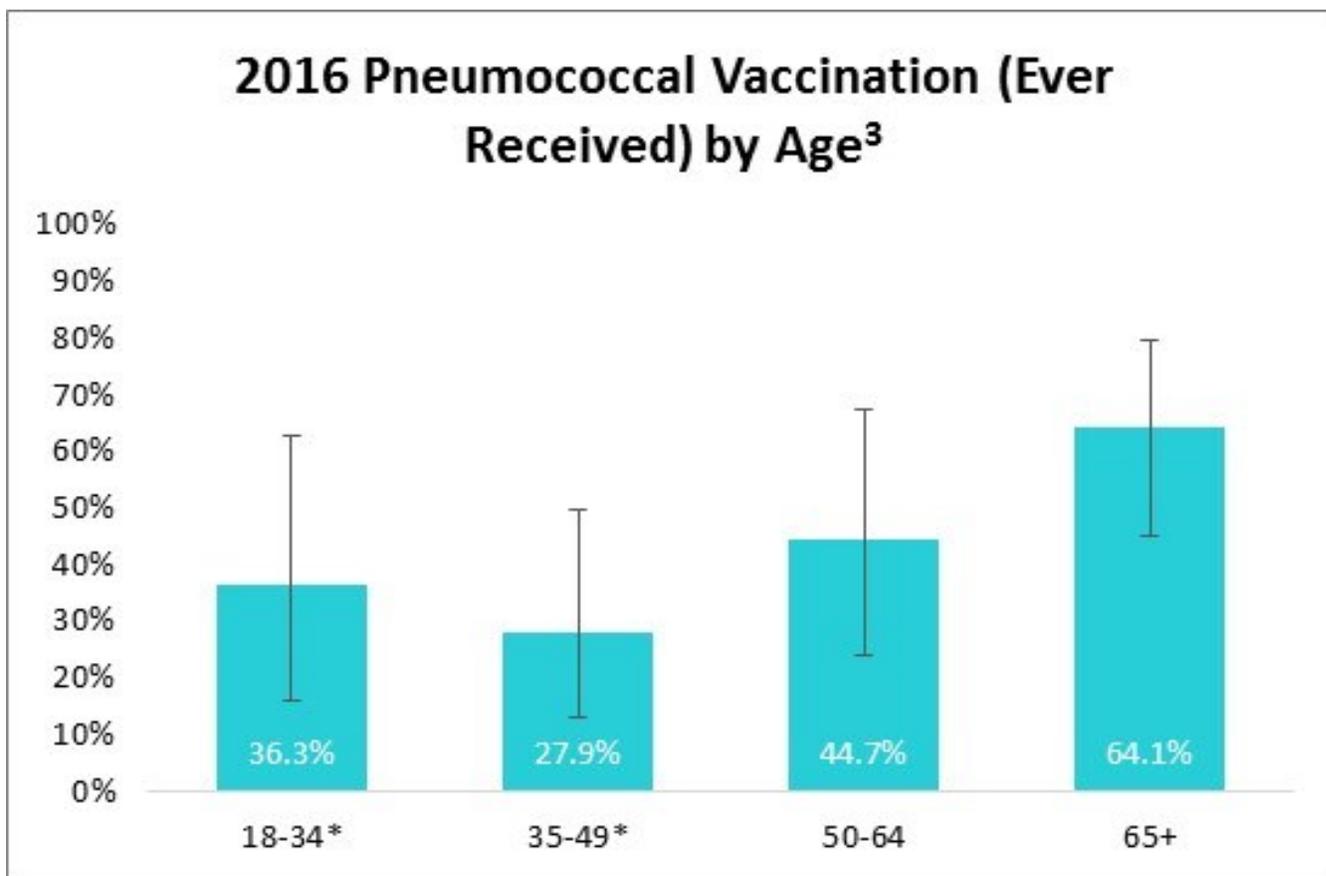
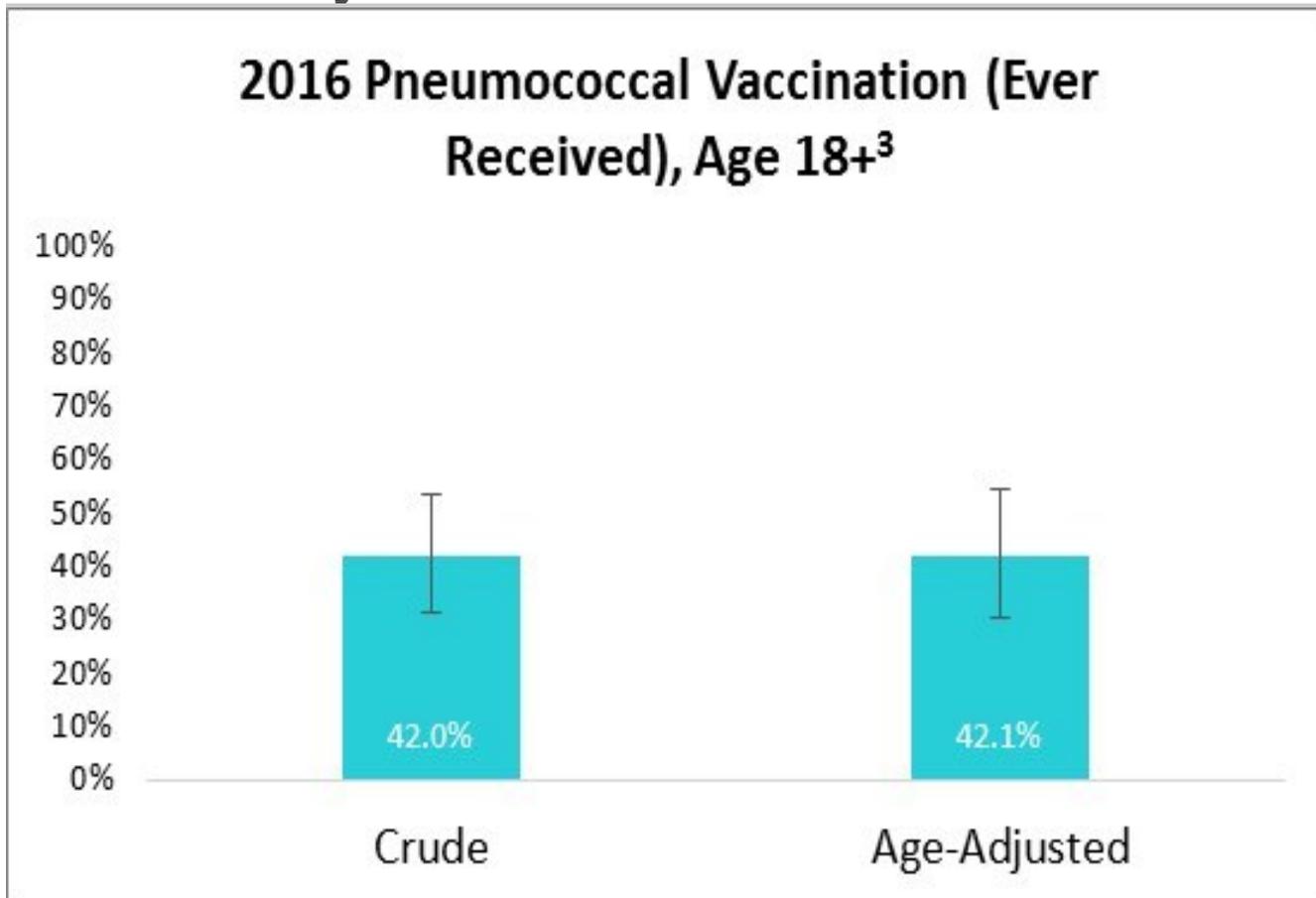
Adequately Immunized by School District 2016 ²		
San Juan		
	Adequately Immunized	Total Exemptions
Kindergarten School Entry	84.9%	1.7%
Second-Dose Measles (K-12)	97.0%	2.2%
7th Grade Entry	80.8%	3.8%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	N/A	N/A
Head Start Centers	N/A	N/A

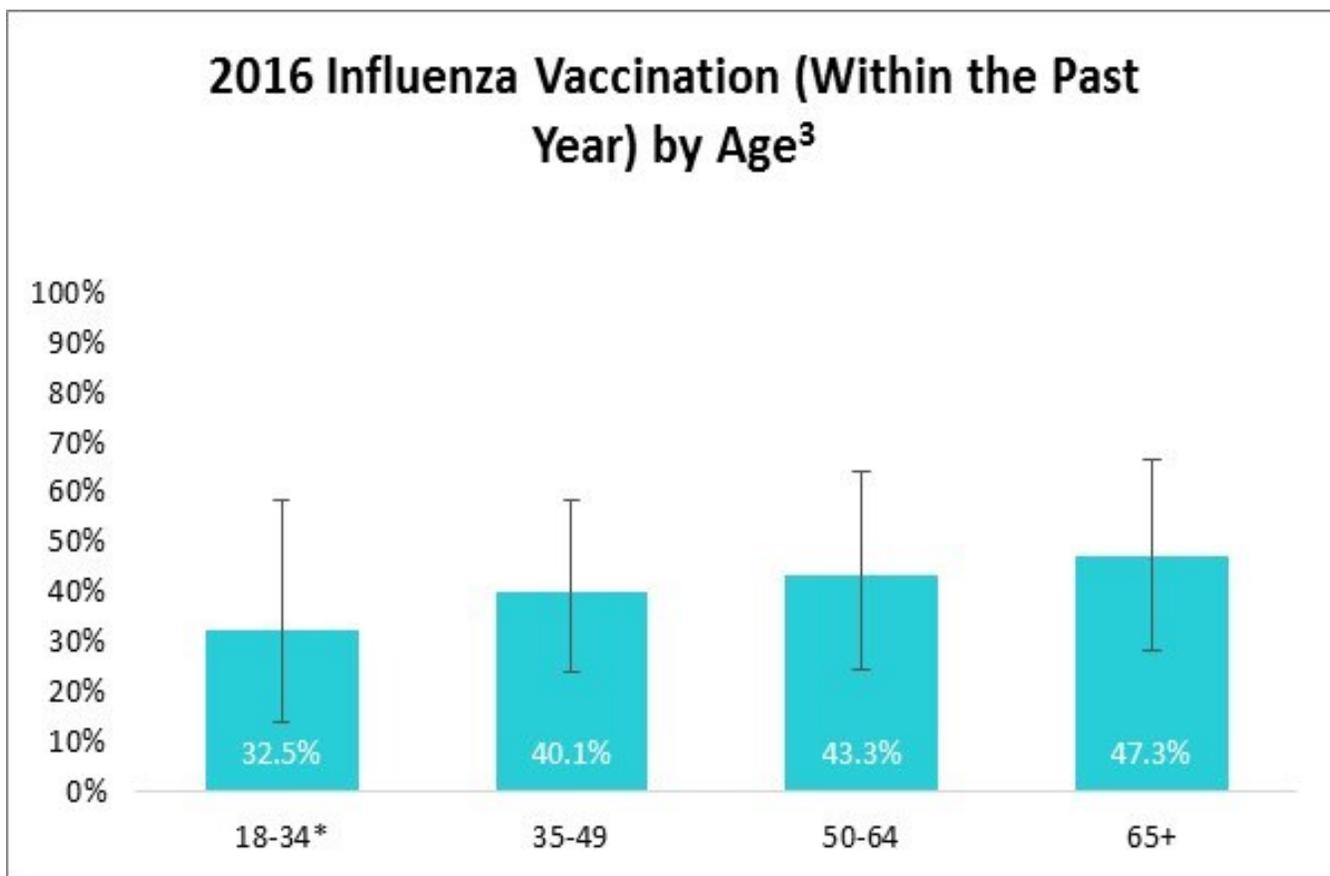
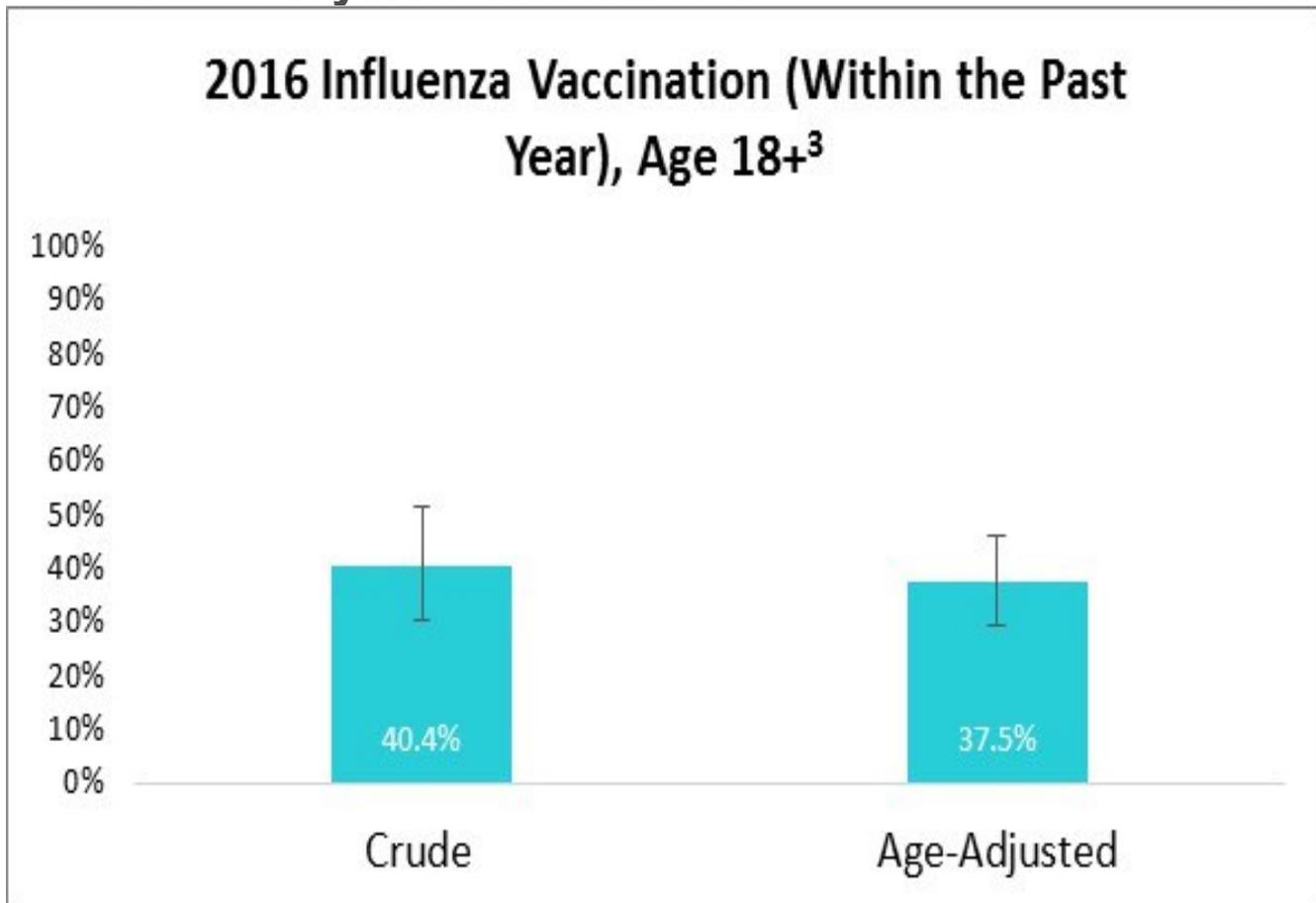


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	9,933	
	Total	Percent
≥1 dose Influenza last season*	2,299	23.1%
≥1 dose influenza in lifetime	7,359	74.1%
≥1 TDaP	4,807	48.4%
≥1 Varicella	868	8.7%
≥1 HPV	853	8.6%
≥1 Zoster	668	6.7%
≥1 MMR	2,699	27.2%
≥1 PCV13	602	6.1%
≥1PPSV23	1,644	16.6%
≥1 Hep A	3,415	34.4%
≥1 Hep B	3,824	38.5%
≥1 Meningococcal	1,418	14.3%
≥1 HIB	1,946	19.6%

*Last flu season between 07/01/2016 and 6/30/2017

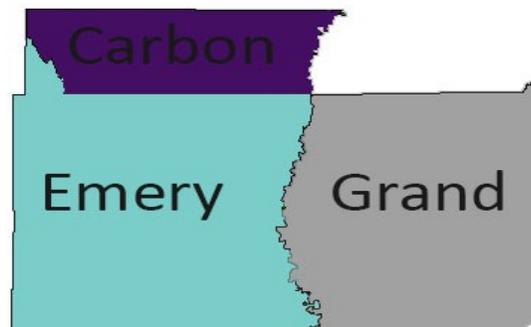


Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates. *Use caution in interpreting, the estimate has a coefficient of variation > 30% and is therefore deemed unreliable by UDOH standards.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates. *Use caution in interpreting, the estimate has a coefficient of variation > 30% and is therefore deemed unreliable by UDOH standards. **55**

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	419	
	Total	Percent
≥3 doses DTaP	276	65.9%
≥4 doses DTaP	182	43.4%
≥3 doses Polio	262	62.5%
≥1 dose MMR	270	64.4%
≥3 doses Hib	254	60.6%
≥1 dose Hib	368	87.8%
≥3 doses Hep B	259	61.8%
Hep B Birth dose	344	82.1%
≥1 dose Varicella	274	65.4%
≥3 doses PCV	258	61.6%
≥4 doses PCV	179	42.7%
≥2 doses Hep A	175	41.8%
≥1 dose Rotavirus	261	62.3%
4:3:1	173	41.3%
4:3:1:3	169	40.3%
4:3:1:4	153	36.5%
4:3:1:3:3	160	38.2%
4:3:1:0:3:1	163	38.9%
4:3:1:3:3:1	159	37.9%
4:3:1:4:3:1	143	34.1%
4:3:1:3:3:1:4	139	33.2%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	95	
	Total	Percent
≥1 dose DTaP	94	98.9%
≥1 dose Polio	94	98.9%
≥1 dose Hib	93	97.9%
≥1 dose Hep B	93	97.9%
≥2 doses Hep B	86	90.5%
≥1 dose PCV	95	100.0%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	147	
	Total	Percent
≥2 doses DTaP	122	83.0%
≥2 doses Polio	121	82.3%
≥2 doses Hib	118	80.3%
≥2 doses Hep B	135	91.8%
≥2 doses PCV	121	82.3%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio,1 MMR, 4 PCV, 3 HepB,1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	350	
	Total	Percent
≥3 doses DTaP	218	62.3%
≥2 doses Polio	287	82.0%
≥1 dose MMR	133	38.0%
≥2 doses Hib	288	82.3%
≥3 doses Hib	182	52.0%
≥2 doses Hep B	316	90.3%
≥3 doses Hep B	240	68.6%
≥1 dose Varicella	129	36.9%
≥3 doses PCV	218	62.3%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	529	
	Total	Percent
≥3 doses DTaP	340	64.3%
≥4 doses DTaP	121	22.9%
≥3 doses Polio	326	61.6%
≥1 dose MMR	271	51.2%
≥3 doses Hib	295	55.8%
≥1 dose Hib	512	96.8%
≥3 doses Hep B	358	67.7%
≥1 dose Varicella	261	49.3%
≥3 doses PCV	332	62.8%
>4 dose PCV	164	31.0%
4:3:1	115	21.7%
4:3:1:3	114	21.6%
4:3:1:4	102	19.3%
4:3:1:3:3	109	20.6%
4:3:1:0:3	110	20.8%
4:3:1:4:3	98	18.5%
4:3:1:3:3:1	108	20.4%
4:3:1:0:3:1	108	20.4%
4:3:1:4:3:1	96	18.1%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	721	
	Total	Percent
≥3 doses DTaP	467	64.8%
≥4 doses DTaP	188	26.1%
≥3 doses Polio	431	59.8%
≥1 dose MMR	420	58.3%
≥3 doses Hib	411	57.0%
≥1 dose Hib	685	95.0%
≥3 doses Hep B	470	65.2%
≥1 dose Varicella	408	56.6%
≥3 doses PCV	450	62.4%
≥4 doses PCV	217	30.1%
4:3:1	182	25.2%
4:3:1:3	181	25.1%
4:3:1:4	159	22.1%
4:3:1:3:3	169	23.4%
4:3:1:0:3	170	23.6%
4:3:1:4:3	150	20.8%
4:3:1:3:3:1	167	23.2%
4:3:1:0:3:1	168	23.3%
4:3:1:4:3:1	148	20.5%
4:3:1:3:3:1:4	147	20.4%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total[^]	4,450	Female Total	2,184	Male Total	2,248
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	1,144	25.7%	619	28.3%	523	23.3%
2 HPV	569	12.8%	342	15.7%	226	10.1%
3 HPV	312	7.0%	194	8.9%	117	5.2%

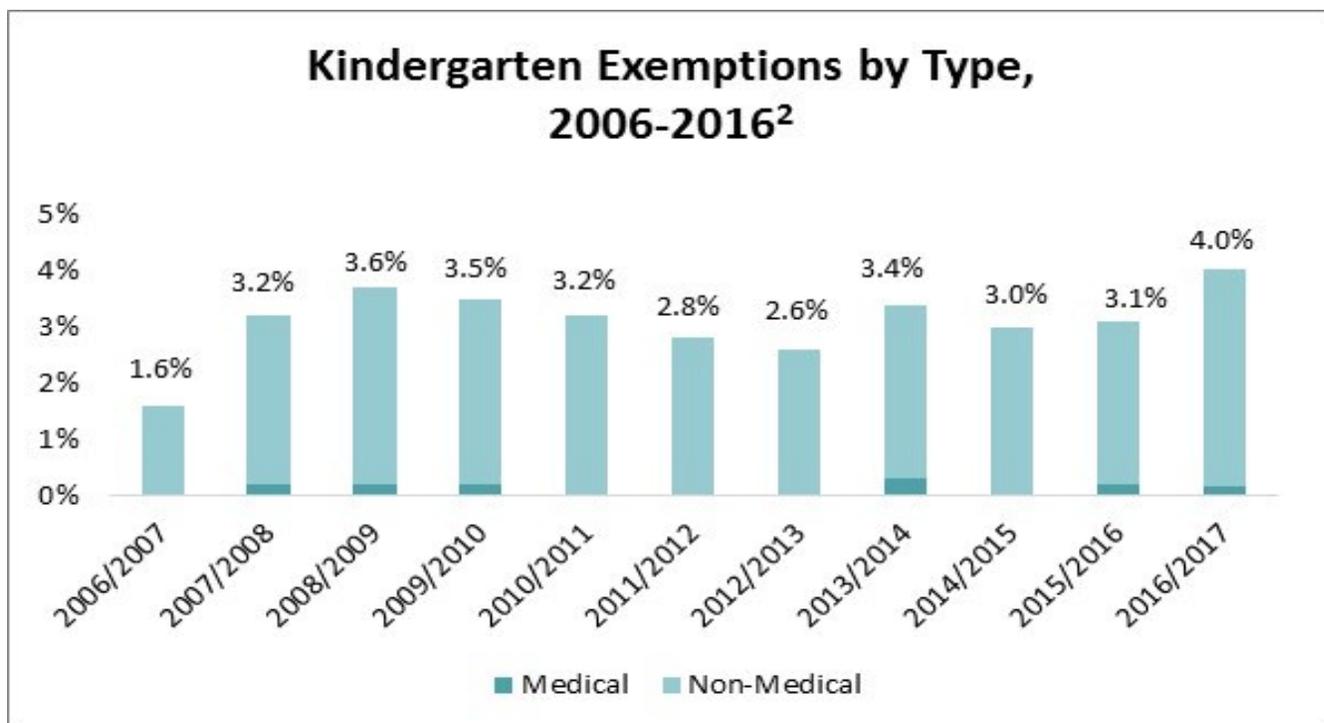
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	4,450	
	Total	Percent
≥1 dose Meningococcal	1,733	38.9%
≥1 TDaP	2,542	57.1%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	11,487	
	Total	Percent
≥1 dose Influenza in lifetime	4,872	42.4%
≥1 dose Influenza last flu season*	1,224	10.7%

*Last flu season between 07/01/2016 and 6/30/2017. [^]Total also includes individuals with an unknown gender in USIIS.

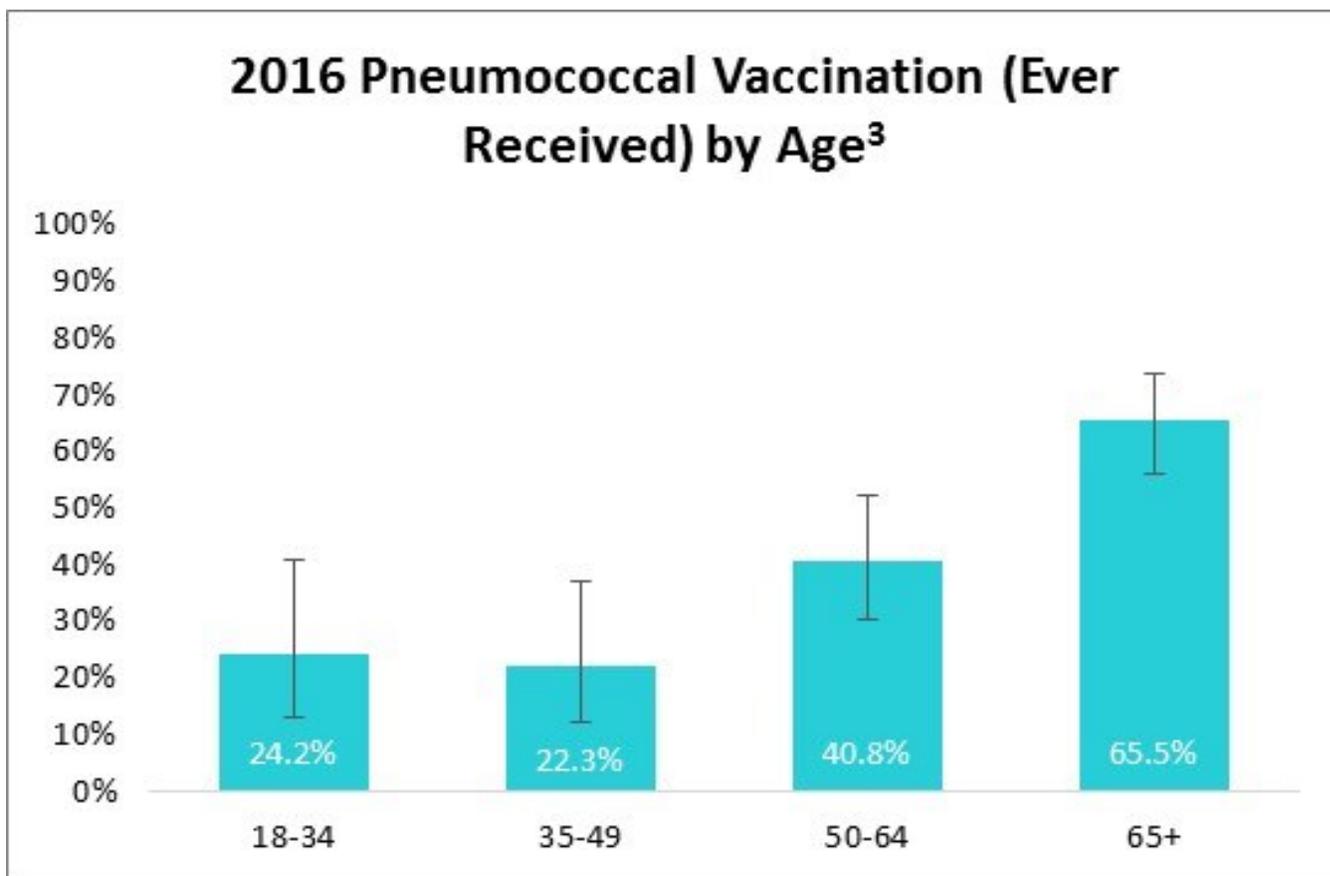
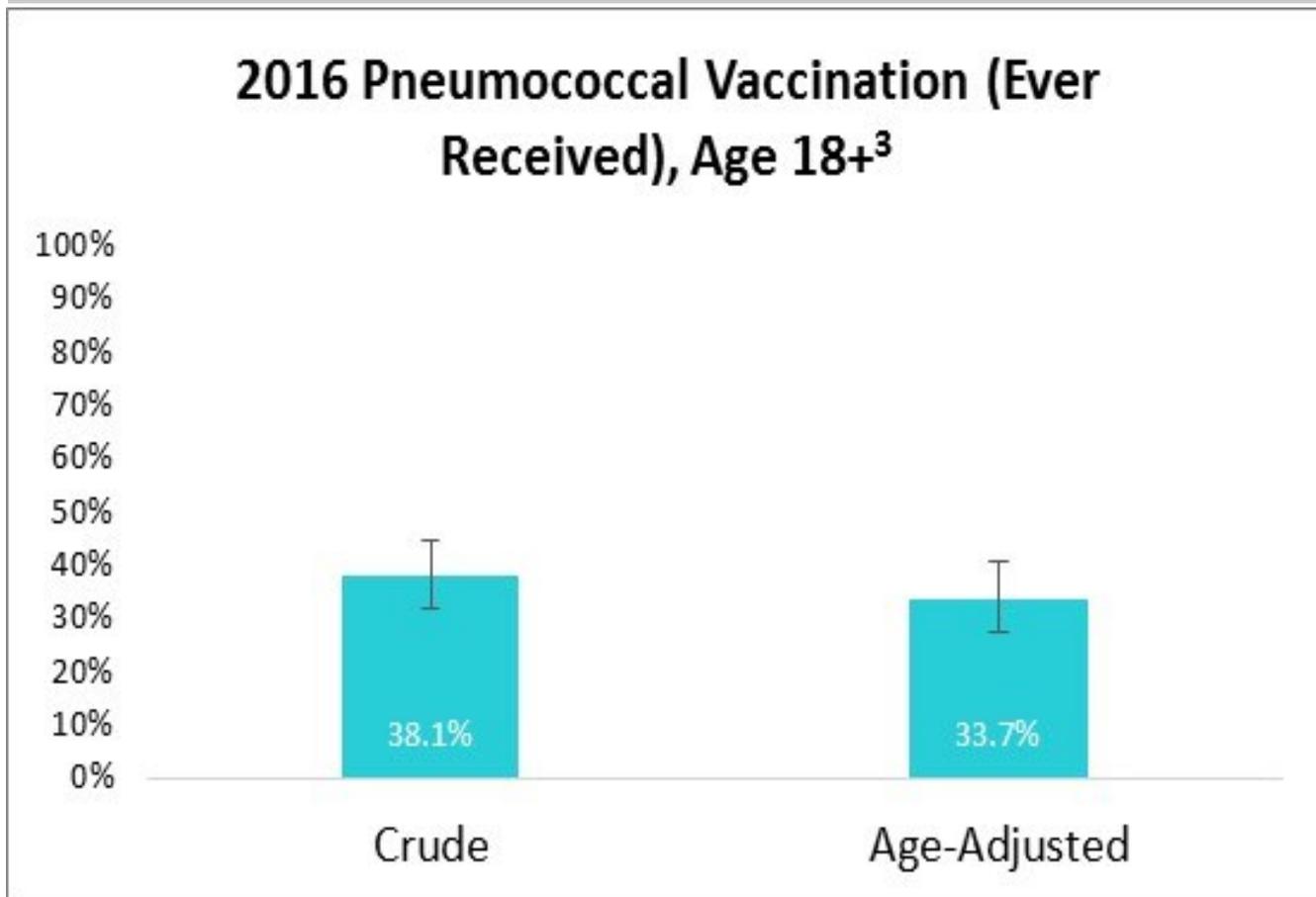
Adequately Immunized by School District 2016 ²						
	Carbon		Emery		Grand	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
Kindergarten School Entry	71.0%	3.1%	84.2%	1.9%	95.6%	4.4%
Second-Dose Measles (K-12)	96.7%	1.5%	95.7%	3.5%	97.0%	3.0%
7th Grade Entry	91.3%	2.6%	81.8%	4.6%	94.6%	5.4%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	97.6%	2.4%
Head Start Centers	87.0%	1.1%

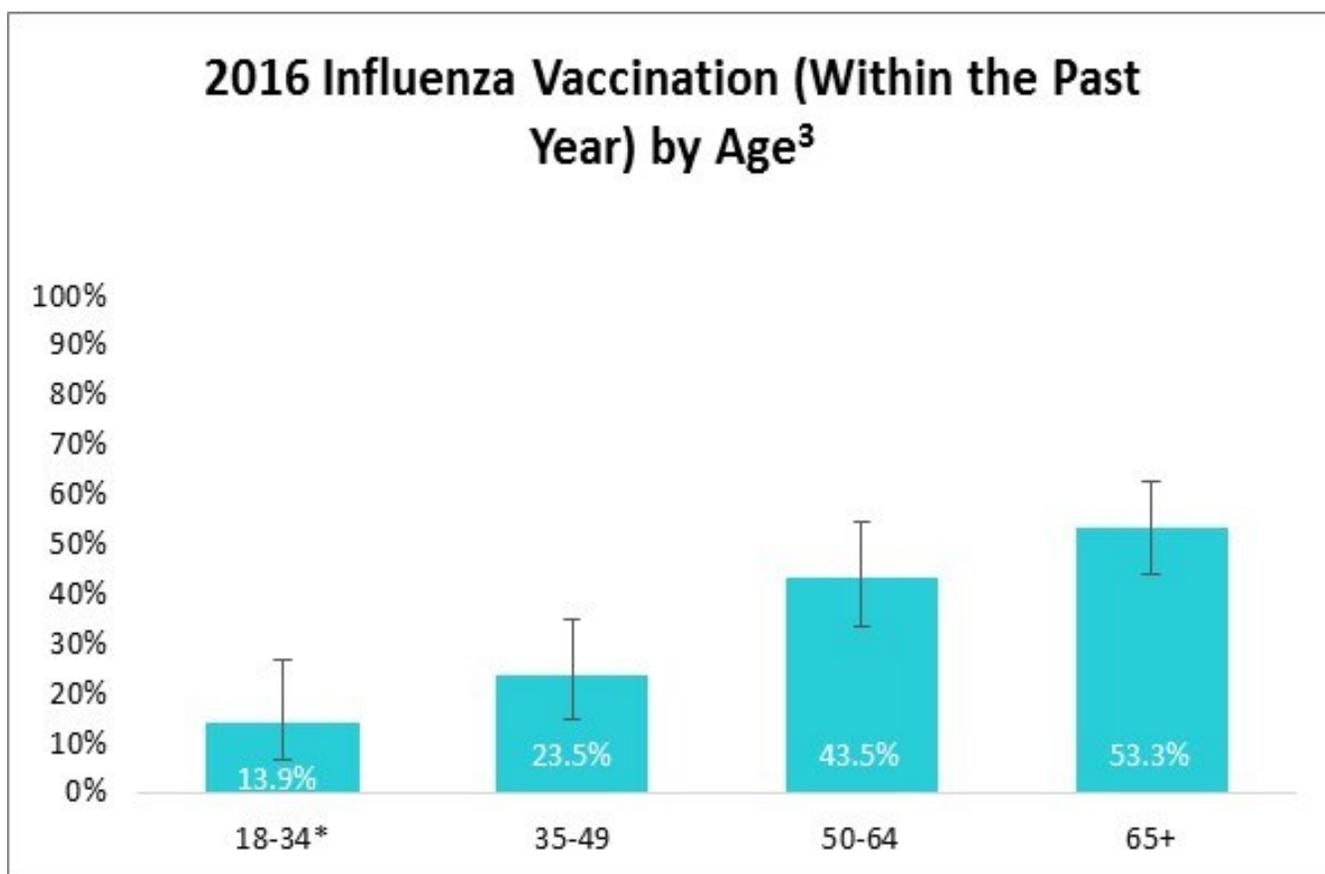
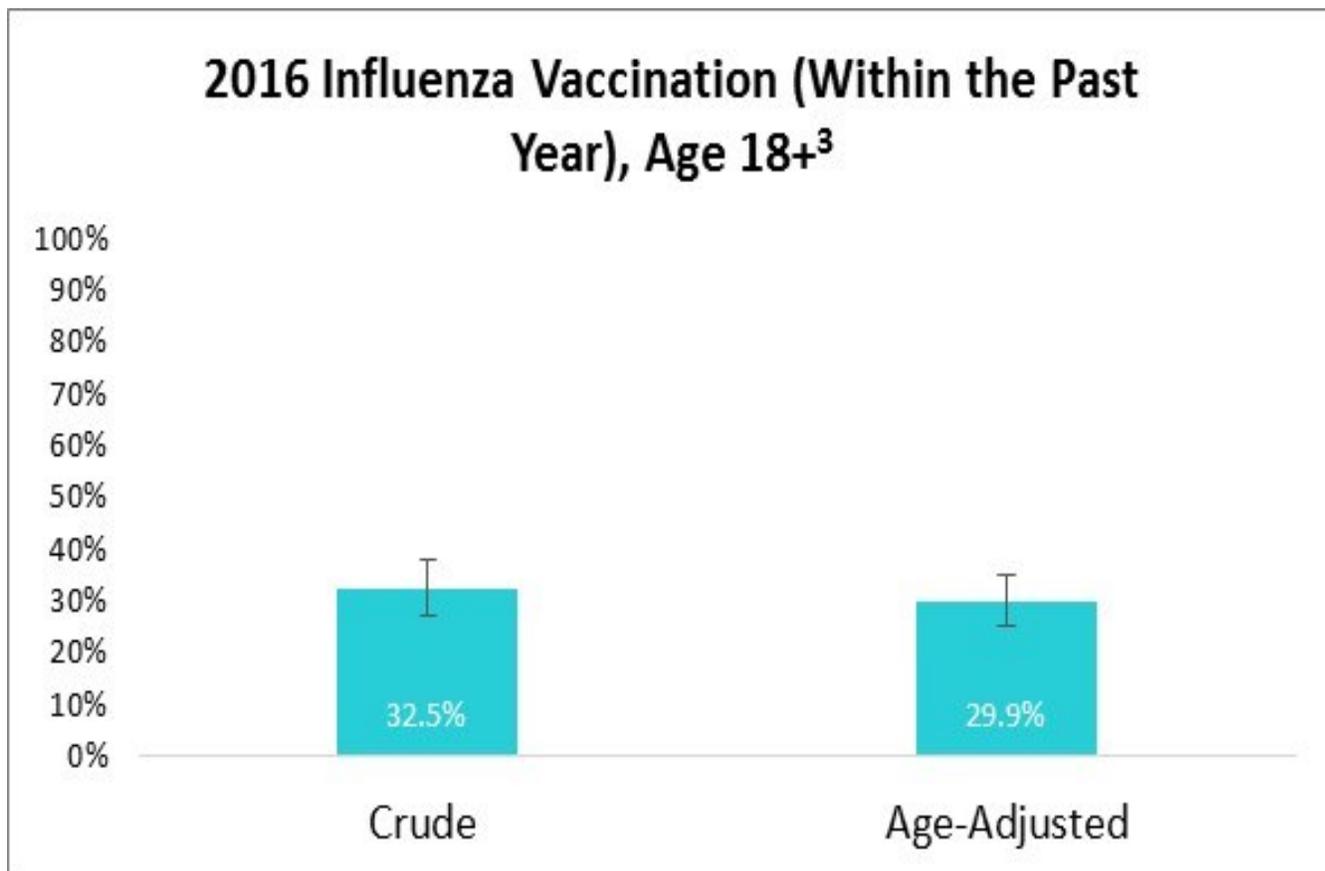


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	26,539	
	Total	Percent
≥1 dose Influenza last season*	5,464	20.6%
≥1 dose influenza in lifetime	17,148	64.6%
≥1 TDaP	7,051	26.6%
≥1 Varicella	1,502	5.7%
≥1 HPV	763	2.9%
≥1 Zoster	1,425	5.4%
≥1 MMR	6,302	23.7%
≥1 PCV13	2,363	8.9%
≥1PPSV23	3,232	12.2%
≥1 Hep A	4,947	18.6%
≥1 Hep B	6,057	22.8%
≥1 Meningococcal	1,454	5.5%
≥1 HIB	3,649	13.7%

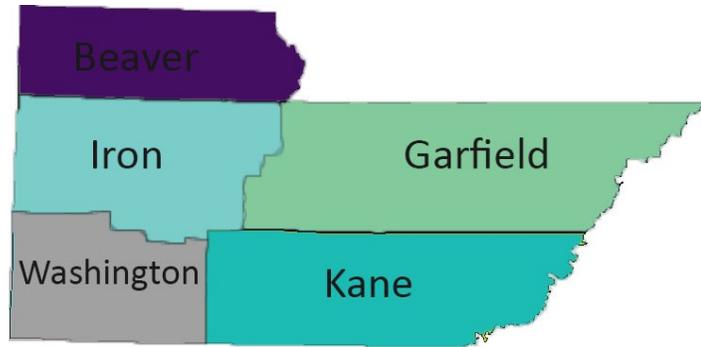
*Last flu season between 07/01/2016 and 6/30/2017



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.



Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	3,317	
	Total	Percent
≥3 doses DTaP	2,980	89.8%
≥4 doses DTaP	2,504	75.5%
≥3 doses Polio	2,870	86.5%
≥1 dose MMR	2,899	87.4%
≥3 doses Hib	2,751	82.9%
≥1 dose Hib	3,251	98.0%
≥3 doses Hep B	2,932	88.4%
Hep B Birth dose	2,497	75.3%
≥1 dose Varicella	2,891	87.2%
≥3 doses PCV	2,896	87.3%
≥4 doses PCV	2,405	72.5%
≥2 doses Hep A	2,211	66.7%
≥1 dose Rotavirus	2,862	86.3%
4:3:1	2,447	73.8%
4:3:1:3	2,408	72.6%
4:3:1:4	2,257	68.0%
4:3:1:3:3	2,374	71.6%
4:3:1:0:3:1	2,398	72.3%
4:3:1:3:3:1	2,363	71.2%
4:3:1:4:3:1	2,223	67.0%
4:3:1:3:3:1:4	2,211	66.7%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	986	
	Total	Percent
≥1 dose DTaP	983	99.7%
≥1 dose Polio	979	99.3%
≥1 dose Hib	971	98.5%
≥1 dose Hep B	981	99.5%
≥2 doses Hep B	940	95.3%
≥1 dose PCV	976	99.0%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	1,439	
	Total	Percent
≥2 doses DTaP	1,267	88.0%
≥2 doses Polio	1,256	87.3%
≥2 doses Hib	1,224	85.1%
≥2 doses Hep B	1,377	95.7%
≥2 doses PCV	1,235	85.8%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4 = 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1 = 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella. 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1 = 4 DTaP, 3 Polio, 1 MMR, 4 PCV, 3 HepB, 1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	3,294	
	Total	Percent
≥3 doses DTaP	2,528	76.7%
≥2 doses Polio	2,954	89.7%
≥1 dose MMR	1,128	34.2%
≥2 doses Hib	2,918	88.6%
≥3 doses Hib	1,457	44.2%
≥2 doses Hep B	3,145	95.5%
≥3 doses Hep B	2,801	85.0%
≥1 dose Varicella	1,162	35.3%
≥3 doses PCV	2,496	75.8%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	4,800	
	Total	Percent
≥3 doses DTaP	3,850	80.2%
≥4 doses DTaP	1,319	27.5%
≥3 doses Polio	3,786	78.9%
≥1 dose MMR	2,345	48.9%
≥3 doses Hib	2,594	54.0%
≥1 dose Hib	4,724	98.4%
≥3 doses Hep B	4,151	86.5%
≥1 dose Varicella	2,377	49.5%
≥3 doses PCV	3,805	79.3%
>4 dose PCV	2,066	43.0%
4:3:1	1,273	26.5%
4:3:1:3	1,248	26.0%
4:3:1:4	1,179	24.6%
4:3:1:3:3	1,240	25.8%
4:3:1:0:3	1,264	26.3%
4:3:1:4:3	1,171	24.4%
4:3:1:3:3:1	1,251	26.1%
4:3:1:0:3:1	1,251	26.1%
4:3:1:4:3:1	1,165	24.3%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	6,137	
	Total	Percent
≥3 doses DTaP	5,068	82.6%
≥4 doses DTaP	2,310	37.6%
≥3 doses Polio	4,970	81.0%
≥1 dose MMR	3,453	56.3%
≥3 doses Hib	3,706	60.4%
≥1 dose Hib	6,036	98.4%
≥3 doses Hep B	5,367	87.5%
≥1 dose Varicella	3,483	56.8%
≥3 doses PCV	4,998	81.4%
≥4 doses PCV	2,932	47.8%
4:3:1	2,209	36.0%
4:3:1:3	2,173	35.4%
4:3:1:4	2,059	33.6%
4:3:1:3:3	2,157	35.1%
4:3:1:0:3	2,193	35.7%
4:3:1:4:3	2,046	33.3%
4:3:1:3:3:1	2,140	34.9%
4:3:1:0:3:1	2,175	35.4%
4:3:1:4:3:1	2,037	33.2%
4:3:1:3:3:1:4	2,023	33.0%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total[^]	25,507	Female Total	12,401	Male Total	13,021
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	7,876	30.9%	4,423	35.7%	3,434	26.4%
2 HPV	4,763	18.7%	2,808	22.6%	1,945	14.9%
3 HPV	2,846	11.2%	1,750	14.1%	1,091	8.4%

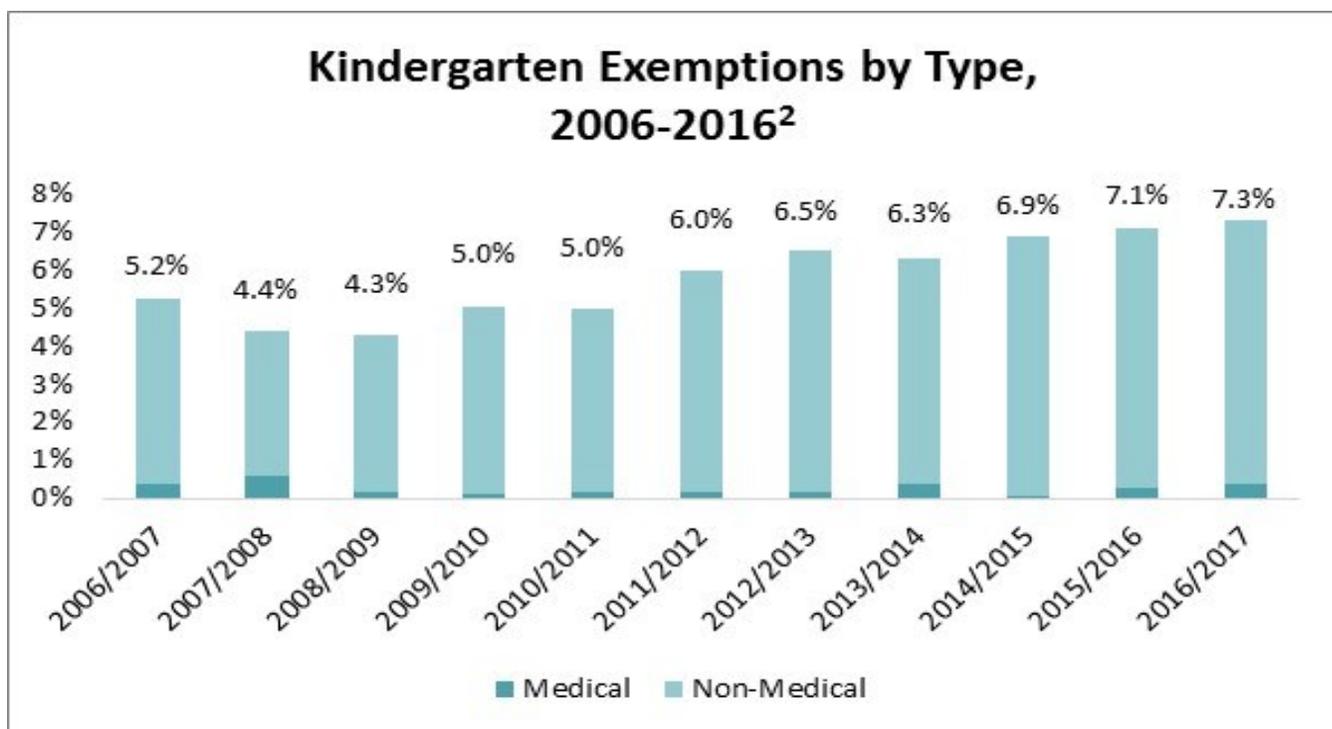
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	25,507	
	Total	Percent
≥1 dose Meningococcal	15,405	60.4%
≥1 TDaP	18,148	71.1%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	73,771	
	Total	Percent
≥1 dose Influenza in lifetime	37,845	51.3%
≥1 dose Influenza last flu season*	10,842	14.7%

*Last flu season between 07/01/2016 and 6/30/2017. [^]Total also includes individuals with an unknown gender in USIIS.

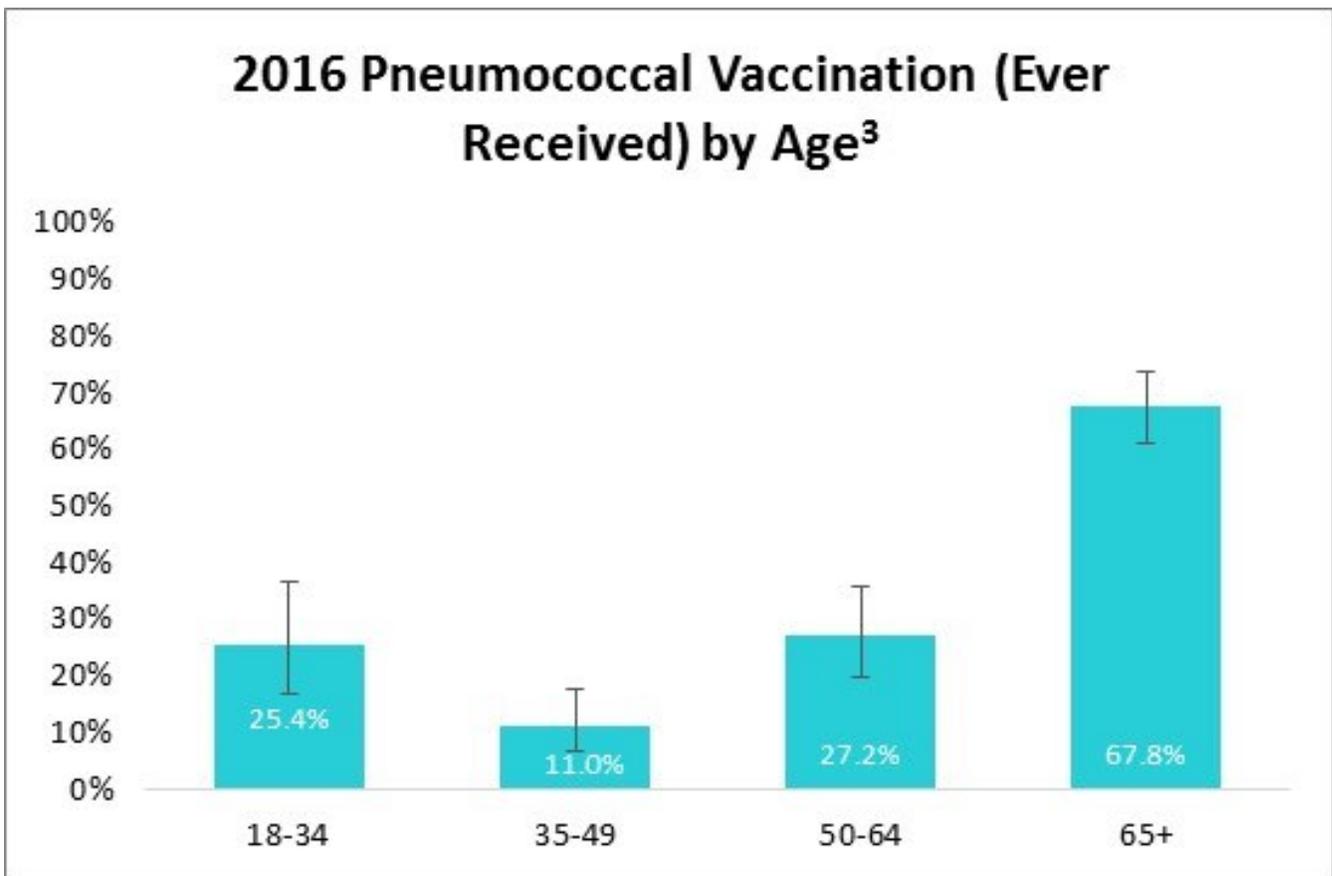
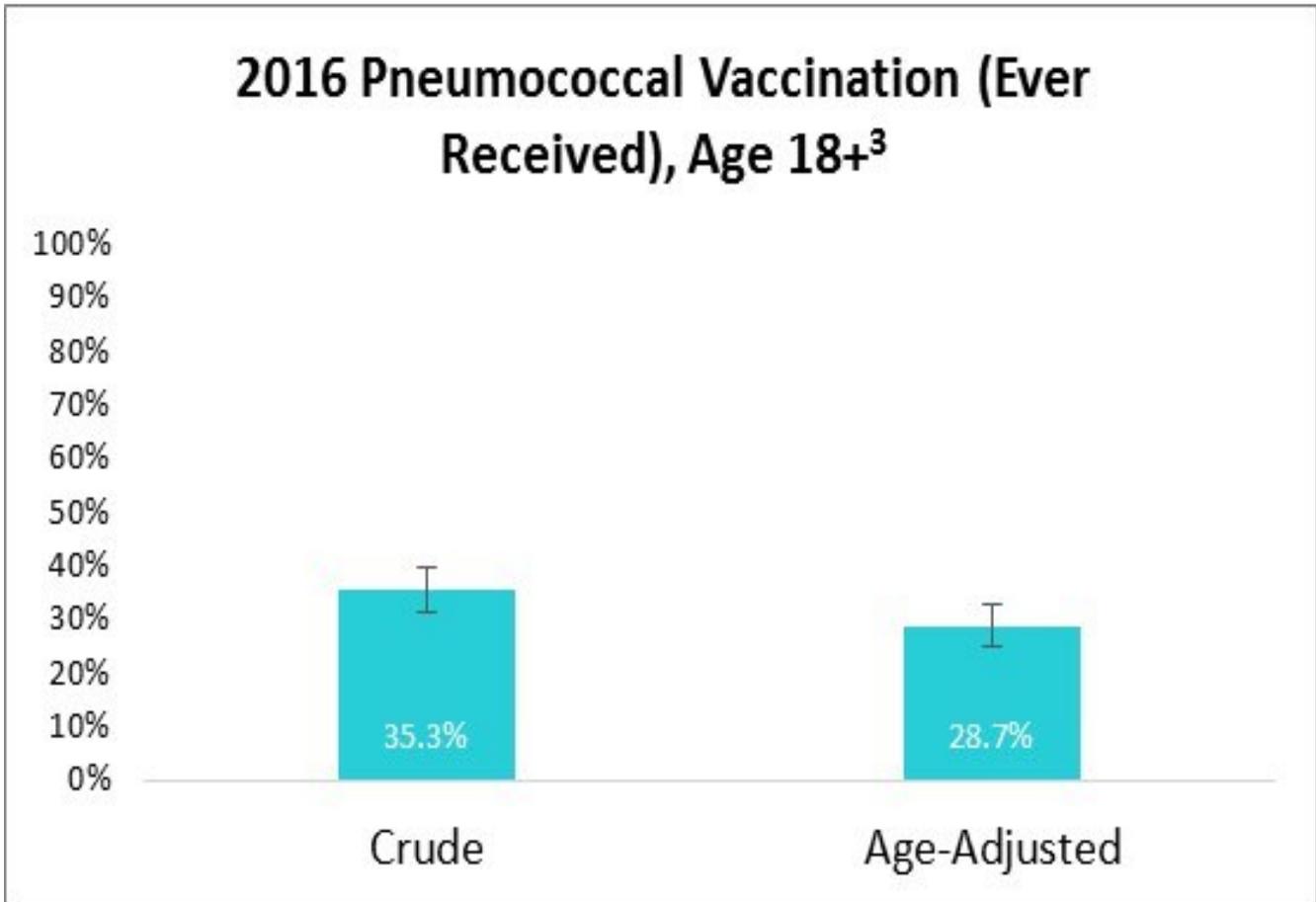
Adequately Immunized by School District 2016 ²										
	Beaver		Garfield		Iron		Kane		Washington	
	Adequate Immune	Total Exempt								
Kindergarten School Entry	95.2%	1.9%	88.4%	8.7%	90.8%	6.3%	82.1%	8.3%	90.2%	7.3%
Second-Dose Measles (K-12)	97.7%	2.2%	96.9%	3.1%	94.8%	5.2%	92.8%	7.2%	93.4%	6.4%
7th Grade Entry	94.6%	3.1%	95.8%	1.4%	95.8%	3.9%	82.8%	11.1%	91.2%	8.0%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	93.8%	3.3%
Head Start Centers	91.1%	6.0%

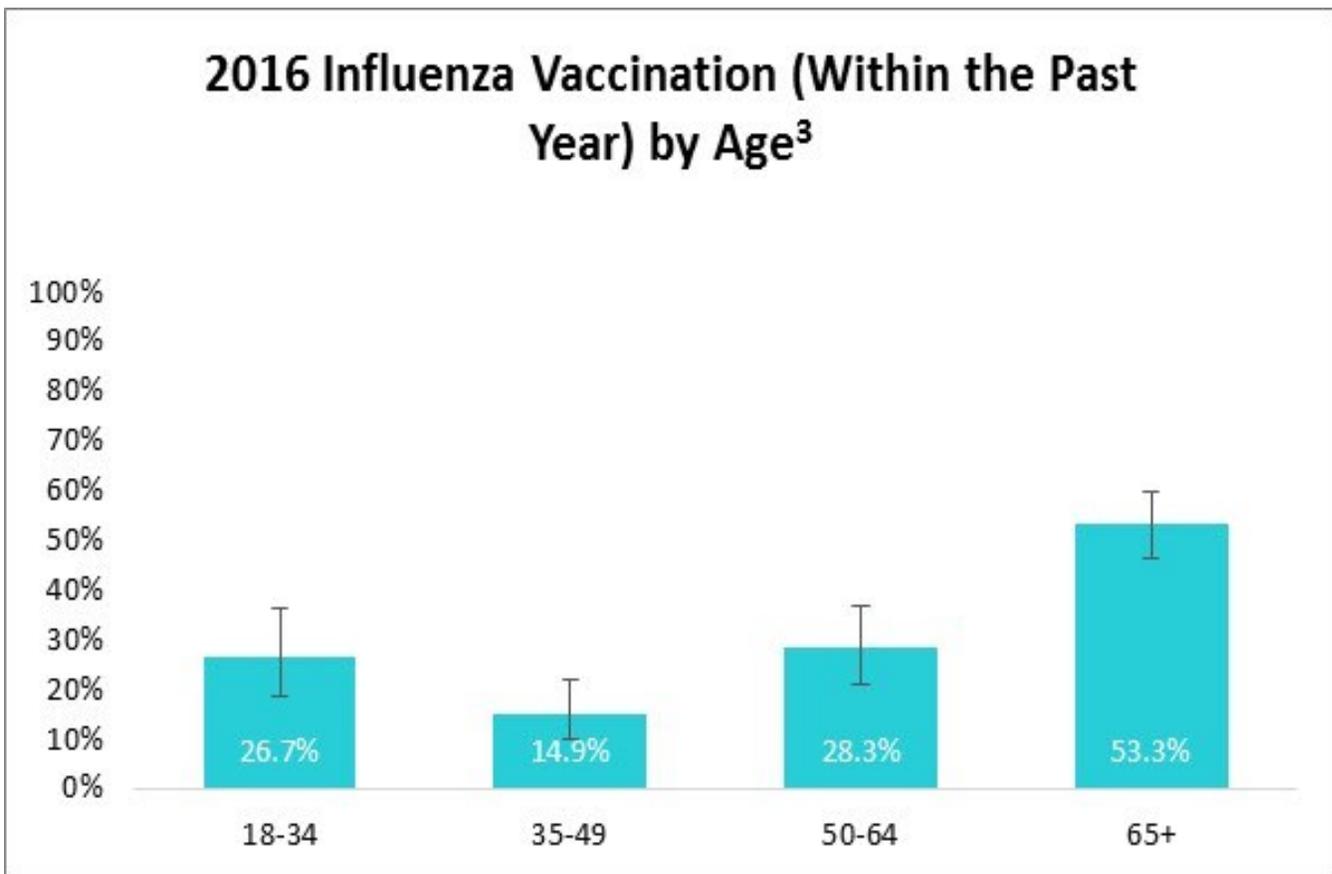
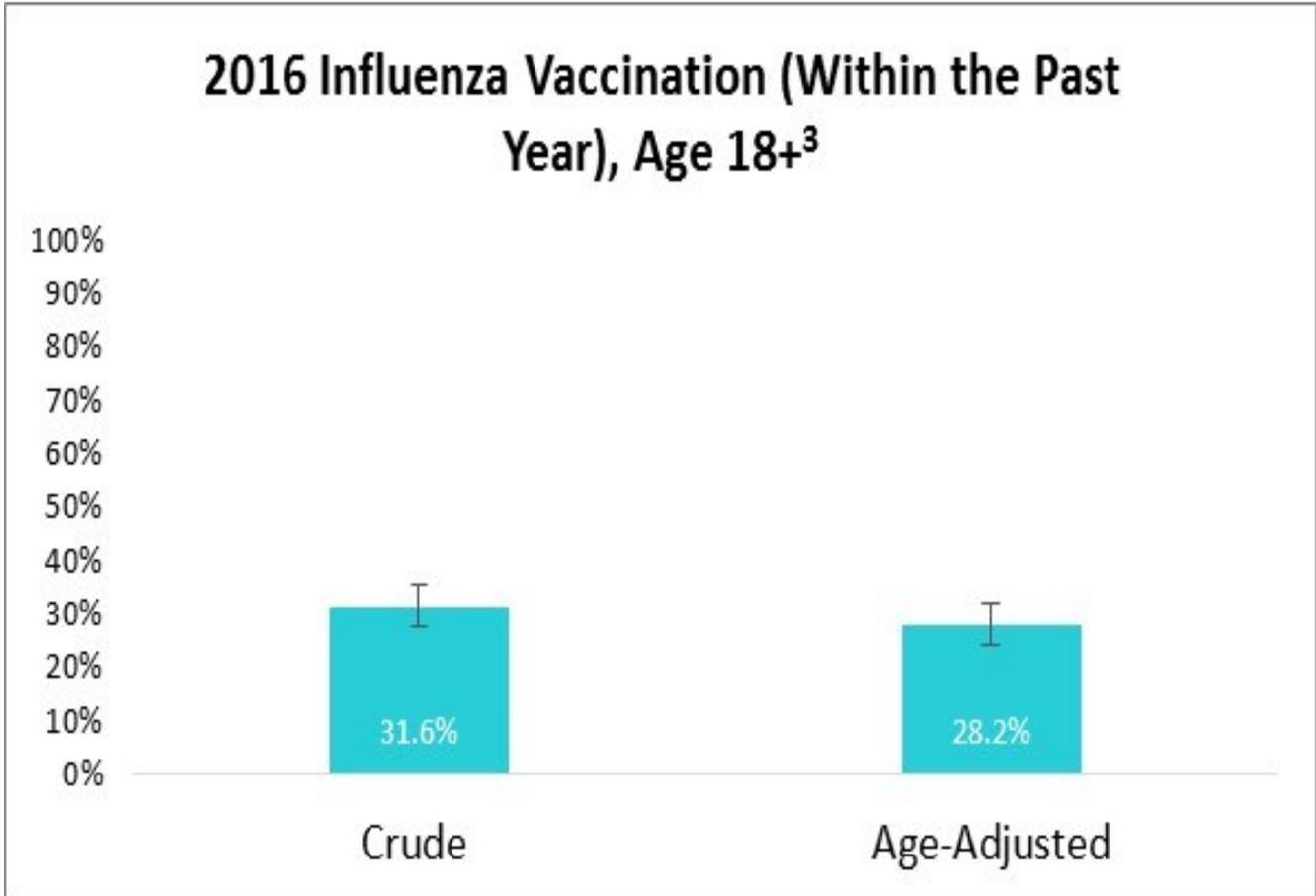


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	141,161	
	Total	Percent
≥1 dose Influenza last season*	32,899	23.3%
≥1 dose influenza in lifetime	81,613	57.8%
≥1 TDaP	50,830	36.0%
≥1 Varicella	11,024	7.8%
≥1 HPV	5,151	3.6%
≥1 Zoster	11,088	7.9%
≥1 MMR	44,082	31.2%
≥1 PCV13	19,604	13.9%
≥1PPSV23	17,918	12.7%
≥1 Hep A	38,410	27.2%
≥1 Hep B	42,816	30.3%
≥1 Meningococcal	12,355	8.8%
≥1 HIB	26,317	18.6%

*Last flu season between 07/01/2016 and 6/30/2017



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	507	
	Total	Percent
≥3 doses DTaP	458	90.3%
≥4 doses DTaP	382	75.3%
≥3 doses Polio	428	84.4%
≥1 dose MMR	433	85.4%
≥3 doses Hib	456	89.9%
≥1 dose Hib	503	99.2%
≥3 doses Hep B	421	83.0%
Hep B Birth dose	392	77.3%
≥1 dose Varicella	424	83.6%
≥3 doses PCV	462	91.1%
≥4 doses PCV	389	76.7%
≥2 doses Hep A	349	68.8%
≥1 dose Rotavirus	455	89.7%
4:3:1	356	70.2%
4:3:1:3	355	70.0%
4:3:1:4	335	66.1%
4:3:1:3:3	336	66.3%
4:3:1:0:3:1	331	65.3%
4:3:1:3:3:1	330	65.1%
4:3:1:4:3:1	318	62.7%
4:3:1:3:3:1:4	317	62.5%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	143	
	Total	Percent
≥1 dose DTaP	143	100%
≥1 dose Polio	138	96.5%
≥1 dose Hib	141	98.6%
≥1 dose Hep B	130	90.9%
≥2 doses Hep B	120	83.9%
≥1 dose PCV	142	99.3%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	211	
	Total	Percent
≥2 doses DTaP	200	94.8%
≥2 doses Polio	194	91.9%
≥2 doses Hib	199	94.3%
≥2 doses Hep B	183	86.7%
≥2 doses PCV	196	92.9%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HebB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio,1 MMR, 4 PCV, 3 HepB,1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	492	
	Total	Percent
≥3 doses DTaP	420	85.4%
≥2 doses Polio	460	93.5%
≥1 dose MMR	188	38.2%
≥2 doses Hib	470	95.5%
≥3 doses Hib	405	82.3%
≥2 doses Hep B	437	88.8%
≥3 doses Hep B	341	69.3%
≥1 dose Varicella	126	25.6%
≥3 doses PCV	419	85.2%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	720	
	Total	Percent
≥3 doses DTaP	639	88.8%
≥4 doses DTaP	264	36.7%
≥3 doses Polio	619	86.0%
≥1 dose MMR	392	54.4%
≥3 doses Hib	620	86.1%
≥1 dose Hib	716	99.4%
≥3 doses Hep B	534	74.2%
≥1 dose Varicella	320	44.4%
≥3 doses PCV	637	88.5%
>4 dose PCV	366	50.8%
4:3:1	245	34.0%
4:3:1:3	242	33.6%
4:3:1:4	238	33.1%
4:3:1:3:3	223	31.0%
4:3:1:0:3	226	31.4%
4:3:1:4:3	221	30.7%
4:3:1:3:3:1	221	30.7%
4:3:1:0:3:1	221	30.7%
4:3:1:4:3:1	217	30.1%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	937	
	Total	Percent
≥3 doses DTaP	835	89.1%
≥4 doses DTaP	429	45.8%
≥3 doses Polio	806	86.0%
≥1 dose MMR	574	61.3%
≥3 doses Hib	817	87.2%
≥1 dose Hib	928	99.0%
≥3 doses Hep B	718	76.6%
≥1 dose Varicella	498	53.1%
≥3 doses PCV	834	89.0%
≥4 doses PCV	521	55.6%
4:3:1	400	42.7%
4:3:1:3	396	42.3%
4:3:1:4	388	41.4%
4:3:1:3:3	374	39.9%
4:3:1:0:3	378	40.3%
4:3:1:4:3	368	39.3%
4:3:1:3:3:1	367	39.2%
4:3:1:0:3:1	371	39.6%
4:3:1:4:3:1	363	38.7%
4:3:1:3:3:1:4	360	38.4%

12-17 Years of Age ⁶⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total[^]	5,335	Female Total	2,565	Male Total	2,718
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	2,427	45.5%	1,266	49.4%	1,145	42.1%
2 HPV	1,633	30.6%	886	34.5%	736	27.1%
3 HPV	926	17.4%	511	19.9%	408	15.0%

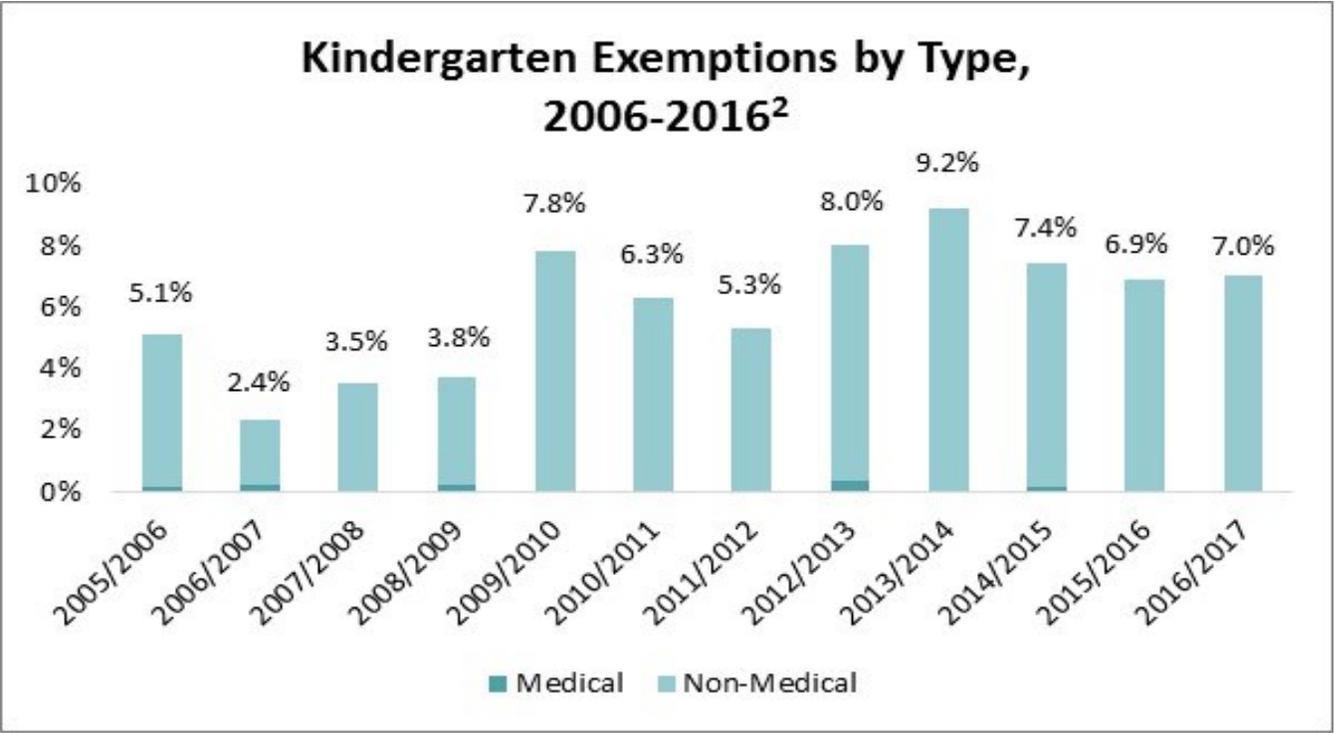
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	5,335	
	Total	Percent
≥1 dose Meningococcal	3,401	63.7%
≥1 TDaP	3,469	65.0%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	13,752	
	Total	Percent
≥1 dose Influenza in lifetime	9,569	69.6%
≥1 dose Influenza last flu season*	3,396	24.7%

*Last flu season between 07/01/2016 and 6/30/2017. ^Total also includes individuals with an unknown gender in USIIS.

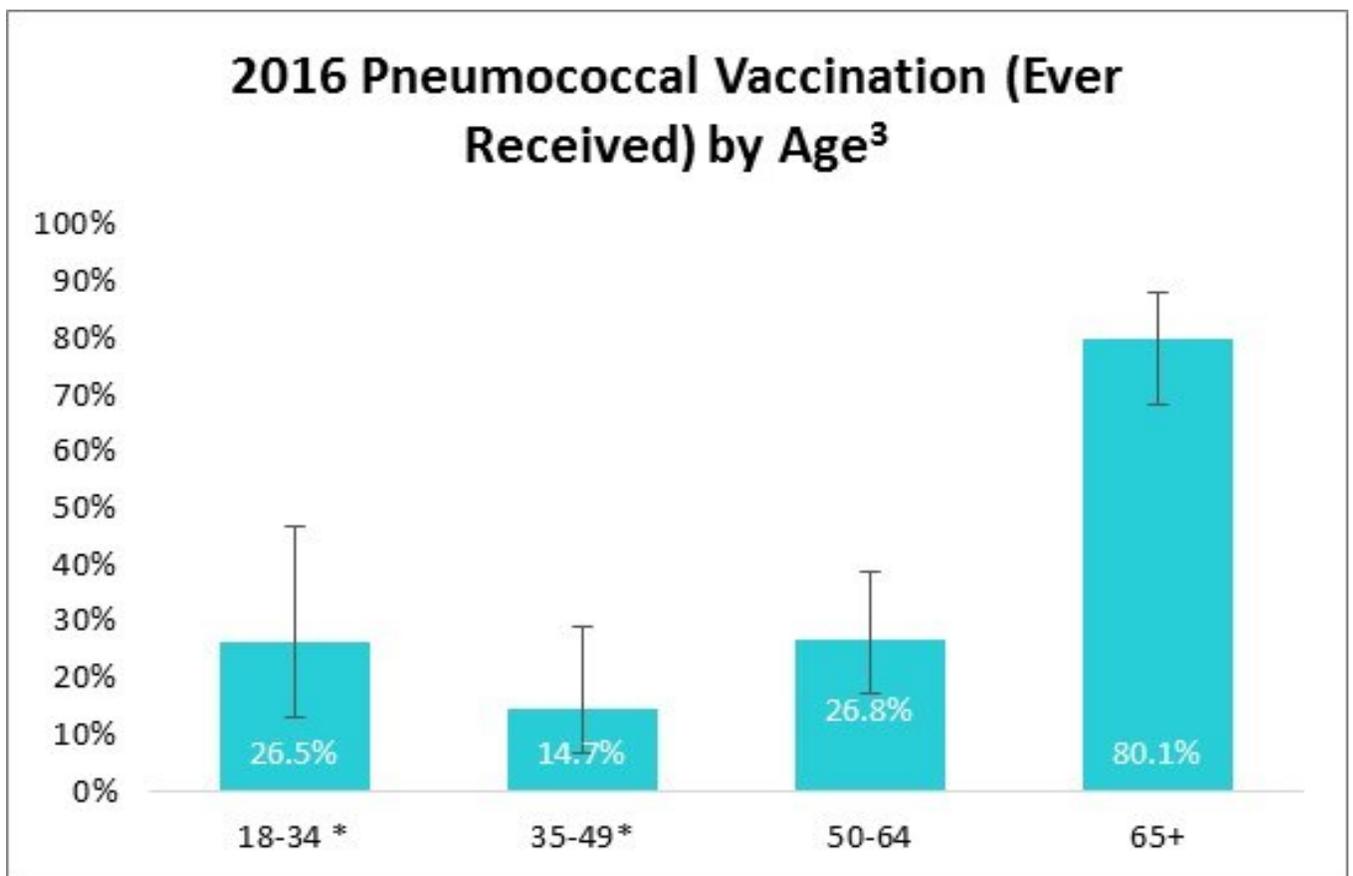
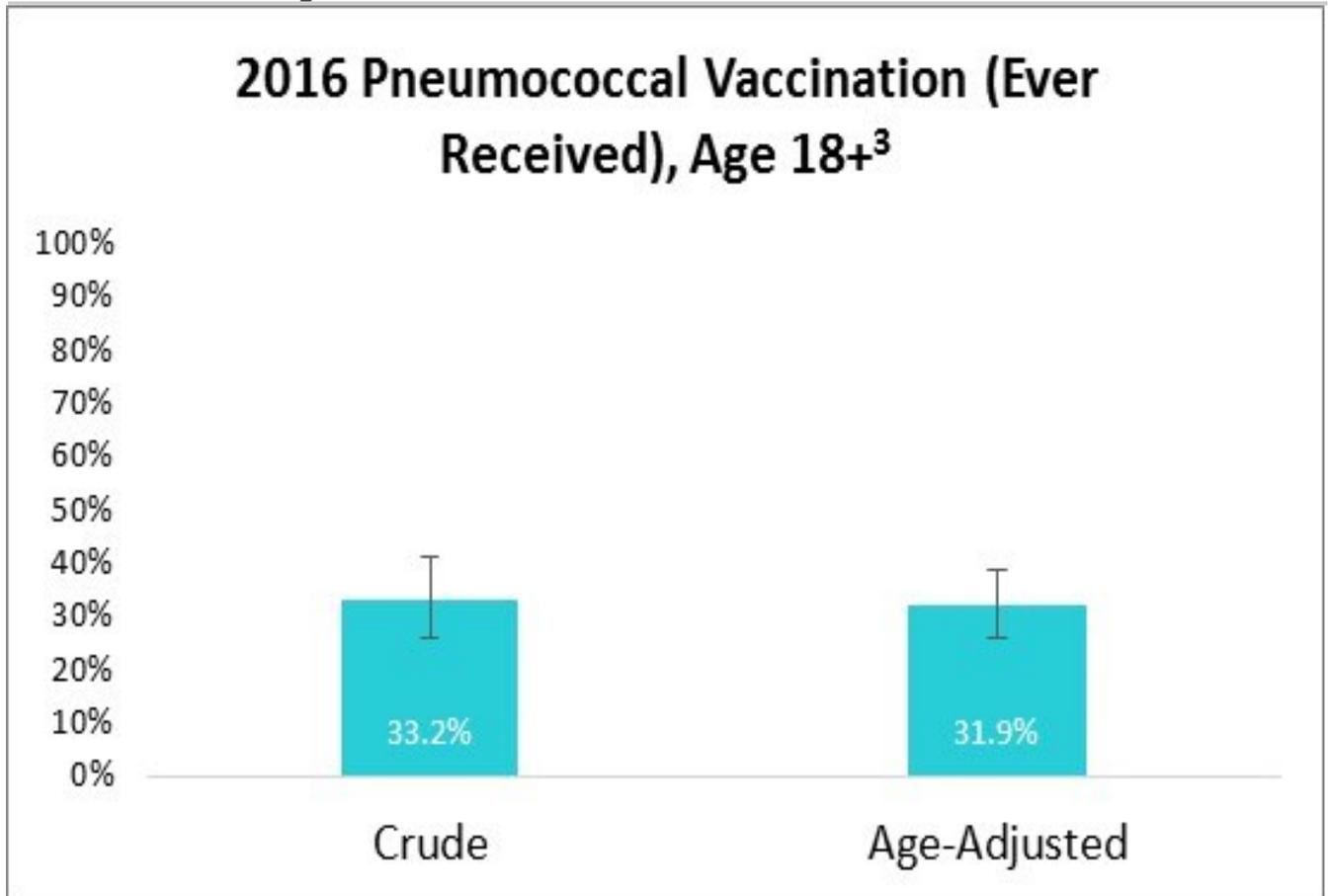
Adequately Immunized by School District 2016 ²						
	North Summit		Park City		South Summit	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
Kindergarten School Entry	92.0%	6.7%	88.6%	8.1%	93.1%	3.8%
Second-Dose Measles (K-12)	96.8%	3.2%	94.6%	5.3%	97.3%	2.6%
7th Grade Entry	96.4%	3.6%	86.5%	8.6%	95.0%	5.0%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	94.0%	4.9%
Head Start Centers	N/A	N/A

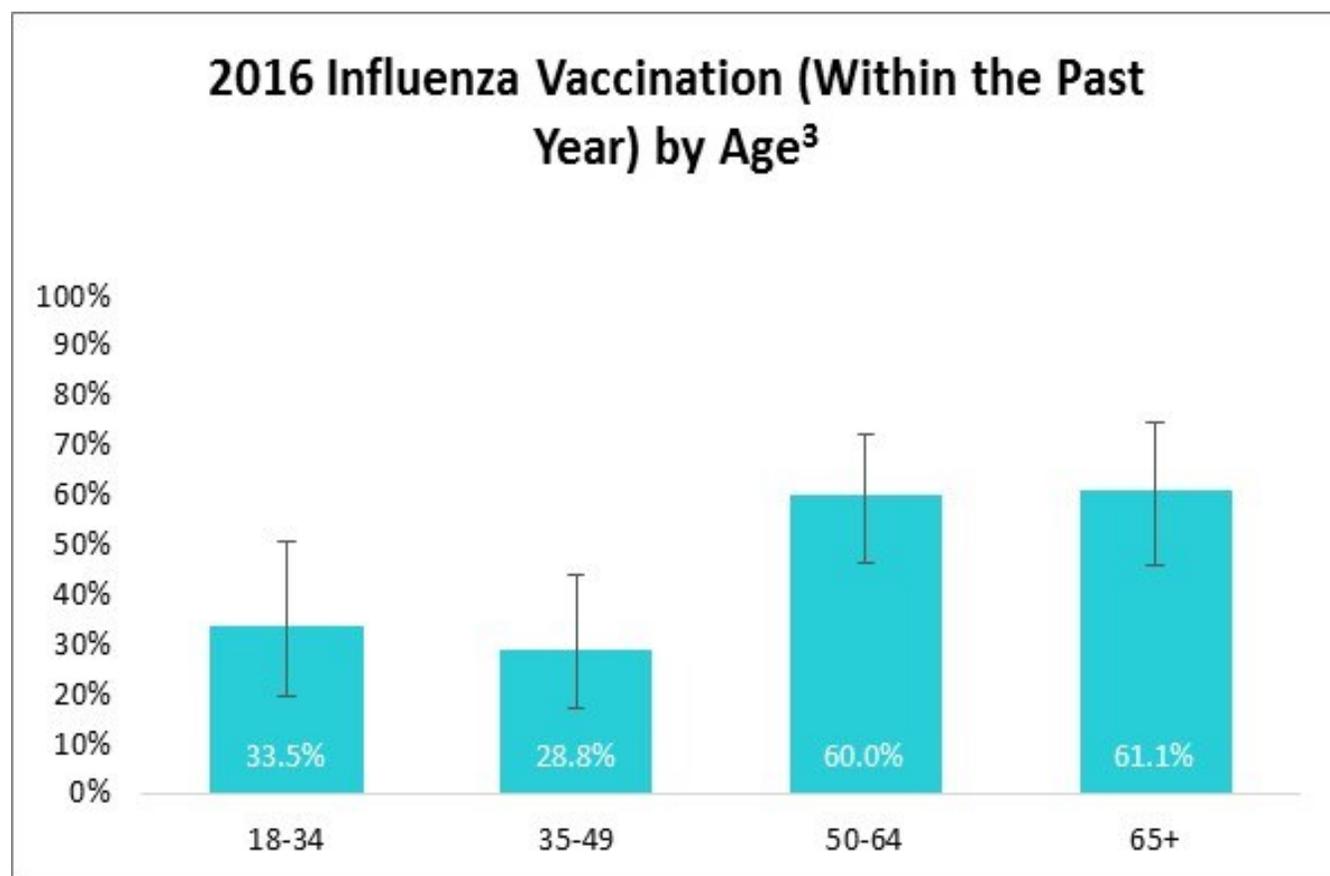
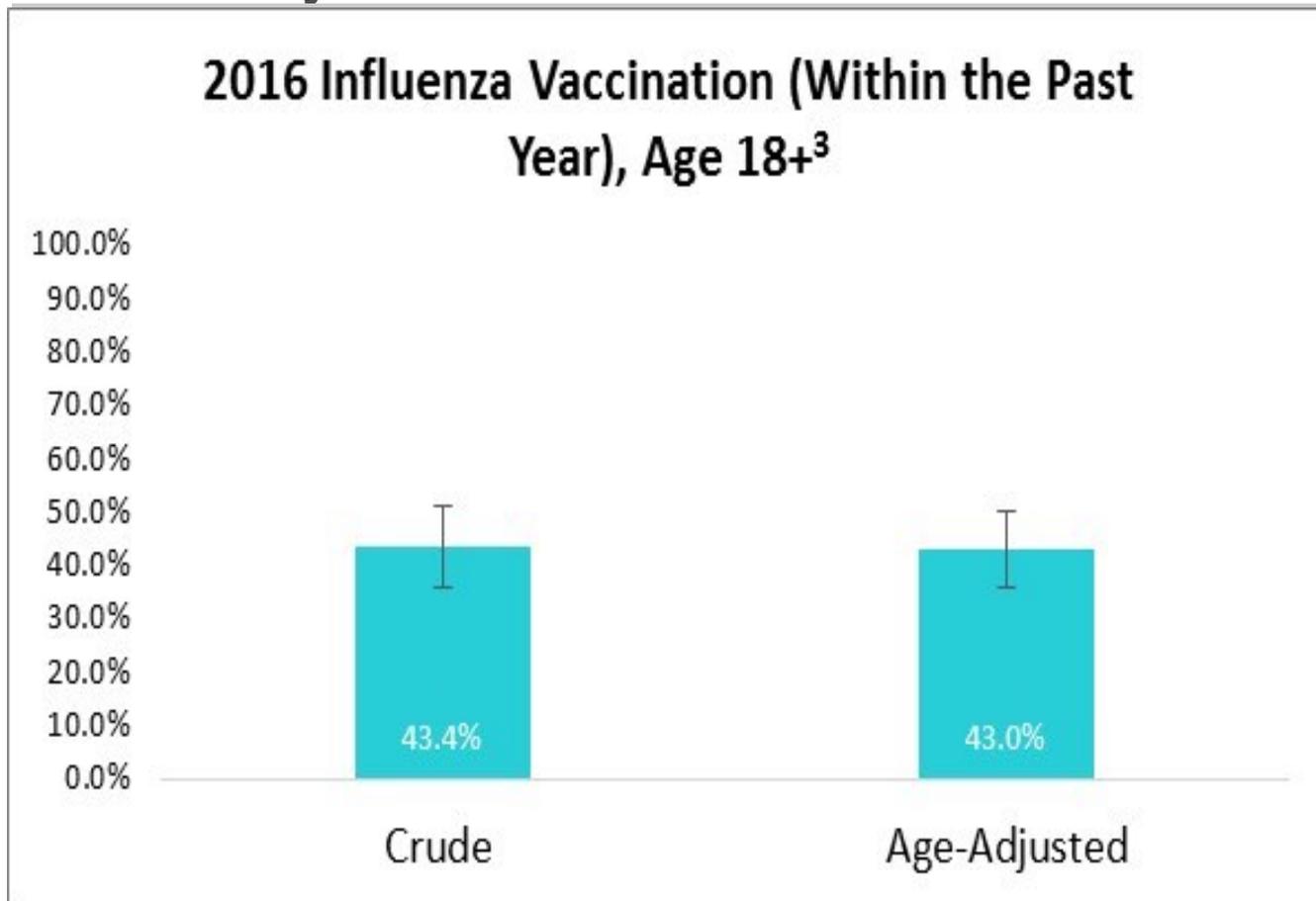


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	33,787	
	Total	Percent
≥1 dose Influenza last season*	9,051	26.8%
≥1 dose influenza in lifetime	20,805	61.6%
≥1 TDaP	14,300	42.3%
≥1 Varicella	2,601	7.7%
≥1 HPV	1,718	5.1%
≥1 Zoster	2,831	8.4%
≥1 MMR	7,917	23.4%
≥1 PCV13	3,700	11.0%
≥1PPSV23	3,002	8.9%
≥1 Hep A	9,121	27.0%
≥1 Hep B	8,645	25.6%
≥1 Meningococcal	3,071	9.1%
≥1 HIB	4,090	12.1%

*Last flu season between 07/01/2016 and 6/30/2017

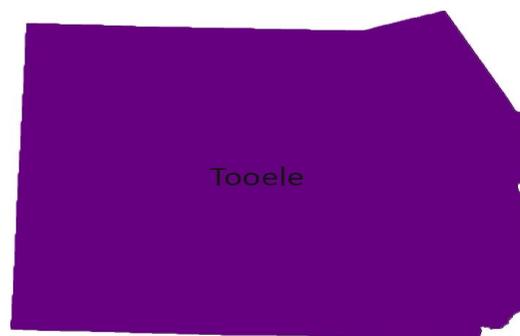


Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates. *Use caution in interpreting, the estimate has a coefficient of variation > 30% and is therefore deemed unreliable by UDOH standards.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	1,190	
	Total	Percent
≥3 doses DTaP	1,094	91.9%
≥4 doses DTaP	979	82.3%
≥3 doses Polio	1,078	90.6%
≥1 dose MMR	1,092	91.8%
≥3 doses Hib	1,079	90.7%
≥1 dose Hib	1,178	99.0%
≥3 doses Hep B	1,080	90.8%
Hep B Birth dose	1,018	85.5%
≥1 dose Varicella	1,087	91.3%
≥3 doses PCV	1,075	90.3%
≥4 doses PCV	915	76.9%
≥2 doses Hep A	892	75.0%
≥1 dose Rotavirus	1,062	89.2%
4:3:1	970	81.5%
4:3:1:3	962	80.8%
4:3:1:4	890	74.8%
4:3:1:3:3	946	79.5%
4:3:1:0:3:1	952	80.0%
4:3:1:3:3:1	945	79.4%
4:3:1:4:3:1	878	73.8%
4:3:1:3:3:1:4	874	73.4%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	327	
	Total	Percent
≥1 dose DTaP	327	100%
≥1 dose Polio	327	100%
≥1 dose Hib	326	99.7%
≥1 dose Hep B	327	100%
≥2 doses Hep B	316	96.6%
≥1 dose PCV	327	100%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	465	
	Total	Percent
≥2 doses DTaP	431	92.7%
≥2 doses Polio	430	92.5%
≥2 doses Hib	429	92.3%
≥2 doses Hep B	448	96.3%
≥2 doses PCV	425	91.4%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio,1 MMR, 4 PCV, 3 HepB,1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	1,074	
	Total	Percent
≥3 doses DTaP	908	84.5%
≥2 doses Polio	1,006	93.7%
≥1 dose MMR	465	43.3%
≥2 doses Hib	1,004	93.5%
≥3 doses Hib	886	82.5%
≥2 doses Hep B	1,041	96.9%
≥3 doses Hep B	908	84.5%
≥1 dose Varicella	463	43.1%
≥3 doses PCV	898	83.6%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	1,641	
	Total	Percent
≥3 doses DTaP	1,419	86.5%
≥4 doses DTaP	643	39.2%
≥3 doses Polio	1,405	85.6%
≥1 dose MMR	963	58.7%
≥3 doses Hib	1,388	84.6%
≥1 dose Hib	1,634	99.6%
≥3 doses Hep B	1,413	86.1%
≥1 dose Varicella	958	58.4%
≥3 doses PCV	1,406	85.7%
>4 dose PCV	824	50.2%
4:3:1	634	38.6%
4:3:1:3	632	38.5%
4:3:1:4	615	37.5%
4:3:1:3:3	625	38.1%
4:3:1:0:3	627	38.2%
4:3:1:4:3	611	37.2%
4:3:1:3:3:1	624	38.0%
4:3:1:0:3:1	624	38.0%
4:3:1:4:3:1	608	37.1%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	2,134	
	Total	Percent
≥3 doses DTaP	1,867	87.5%
≥4 doses DTaP	1,034	48.5%
≥3 doses Polio	1,852	86.8%
≥1 dose MMR	1,389	65.1%
≥3 doses Hib	1,835	86.0%
≥1 dose Hib	2,123	99.5%
≥3 doses Hep B	1,852	86.8%
≥1 dose Varicella	1,381	64.7%
≥3 doses PCV	1,851	86.7%
≥4 doses PCV	1,143	53.6%
4:3:1	1,019	47.8%
4:3:1:3	1,017	47.7%
4:3:1:4	979	45.9%
4:3:1:3:3	1,004	47.0%
4:3:1:0:3	1,007	47.2%
4:3:1:4:3	970	45.5%
4:3:1:3:3:1	1,000	46.9%
4:3:1:0:3:1	1,003	47.0%
4:3:1:4:3:1	969	45.4%
4:3:1:3:3:1:4	968	45.4%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total [^]	9,440	Female Total	4,596	Male Total	4,800
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	4,586	48.6%	2,409	52.4%	2,161	45.0%
2 HPV	2,774	29.4%	1,507	32.8%	1,253	26.1%
3 HPV	1,700	18.0%	964	21.0%	731	15.2%

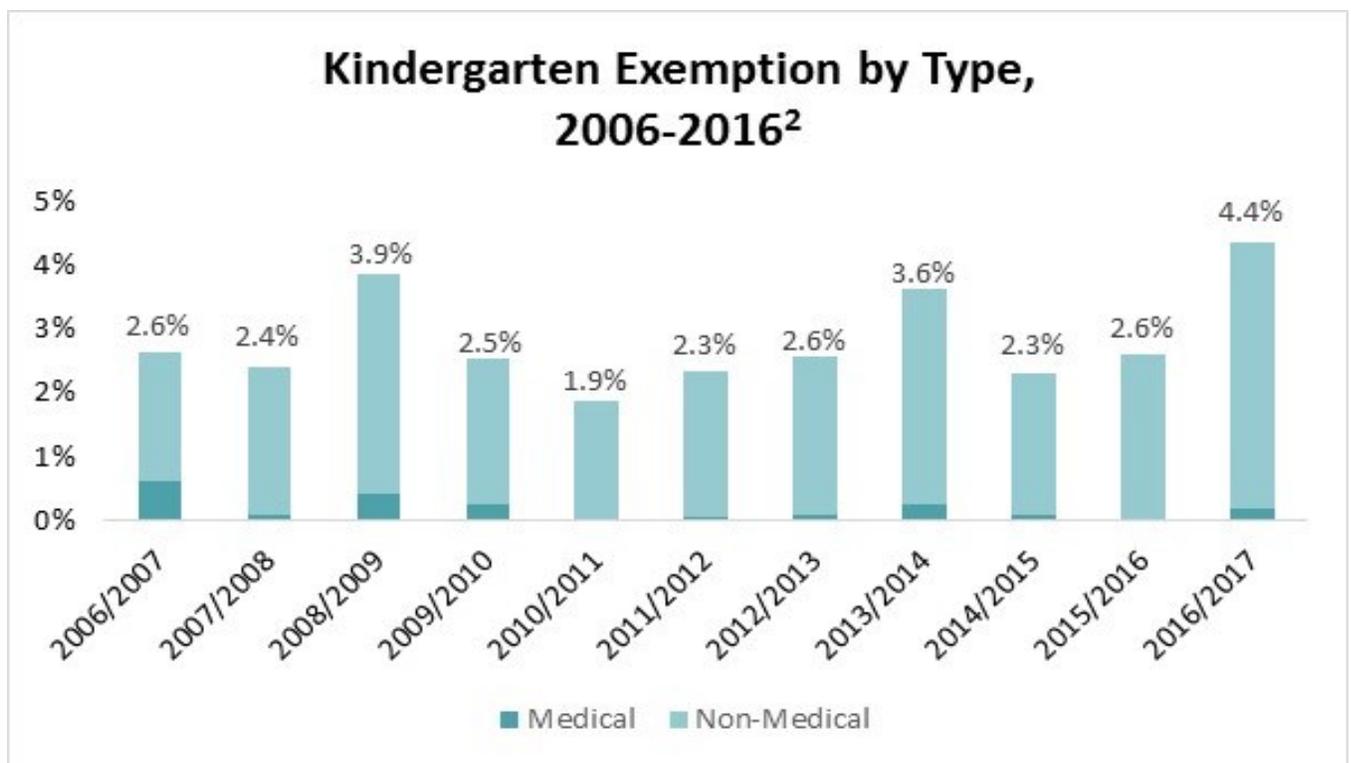
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	9,440	
	Total	Percent
≥1 dose Meningococcal	6,162	65.3%
≥1 TDaP	6,662	70.6%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	26,879	
	Total	Percent
≥1 dose Influenza in lifetime	19,017	70.8%
≥1 dose Influenza last flu season*	7,179	26.7%

*Last flu season between 07/01/2016 and 6/30/2017. ^Total also includes individuals with an unknown gender in USIIS.

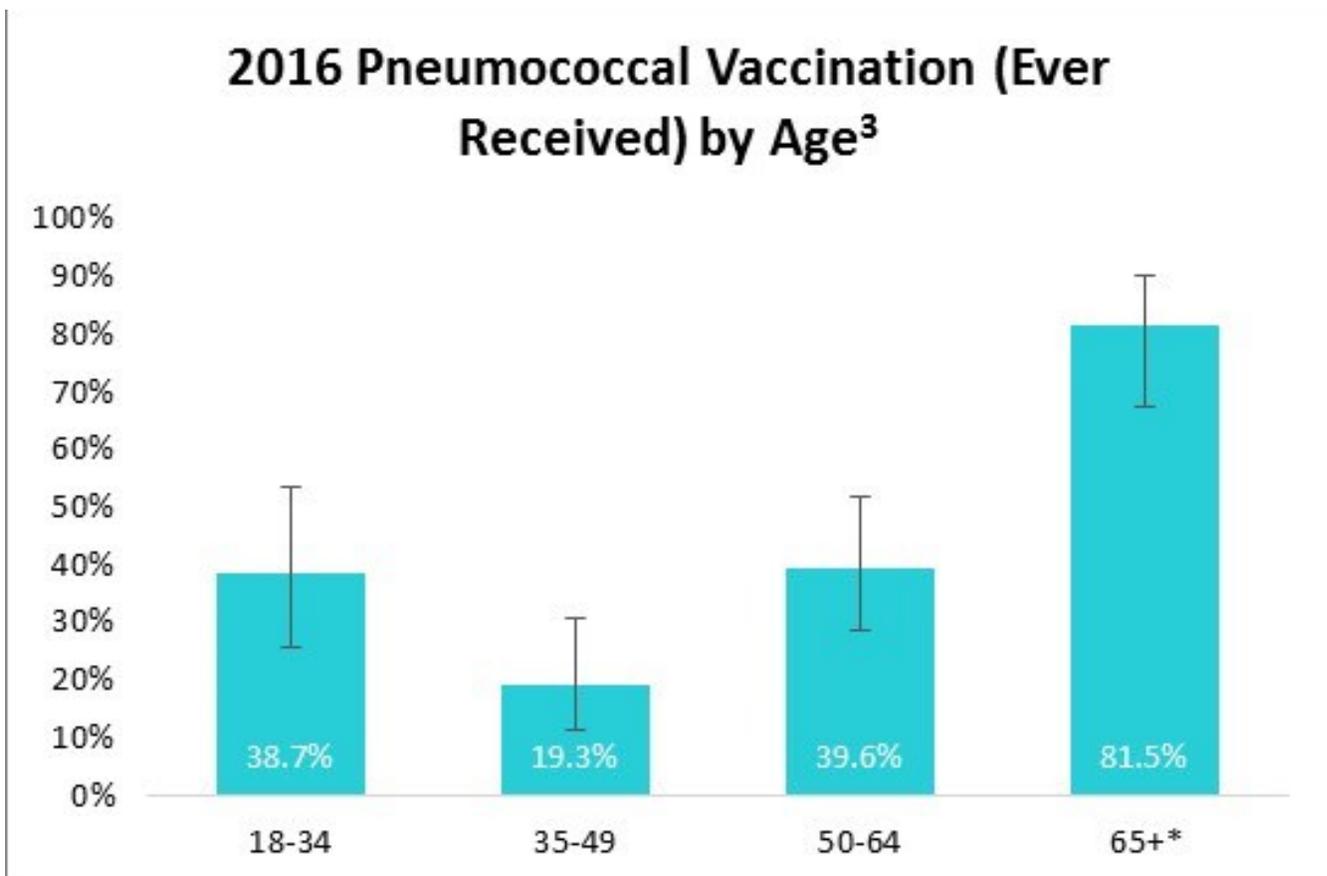
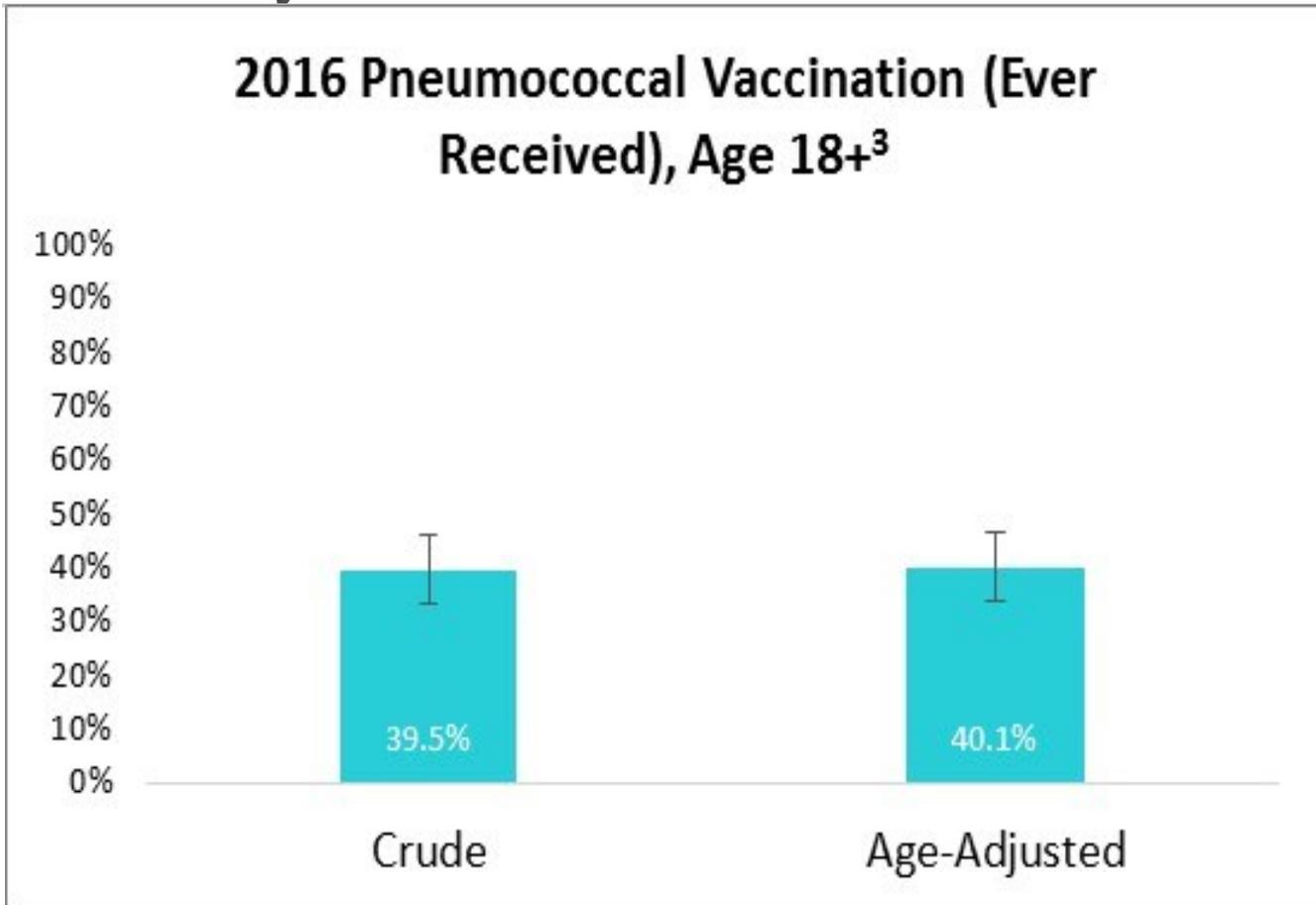
Adequately Immunized by School District 2016 ²		
Tooele		
	Adequately Immunized	Total Exemptions
Kindergarten School Entry	93.6%	4.4%
Second-Dose Measles (K-12)	97.0%	2.9%
7th Grade Entry	95.6%	2.6%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	85.7%	0%
Head Start Centers	N/A	N/A



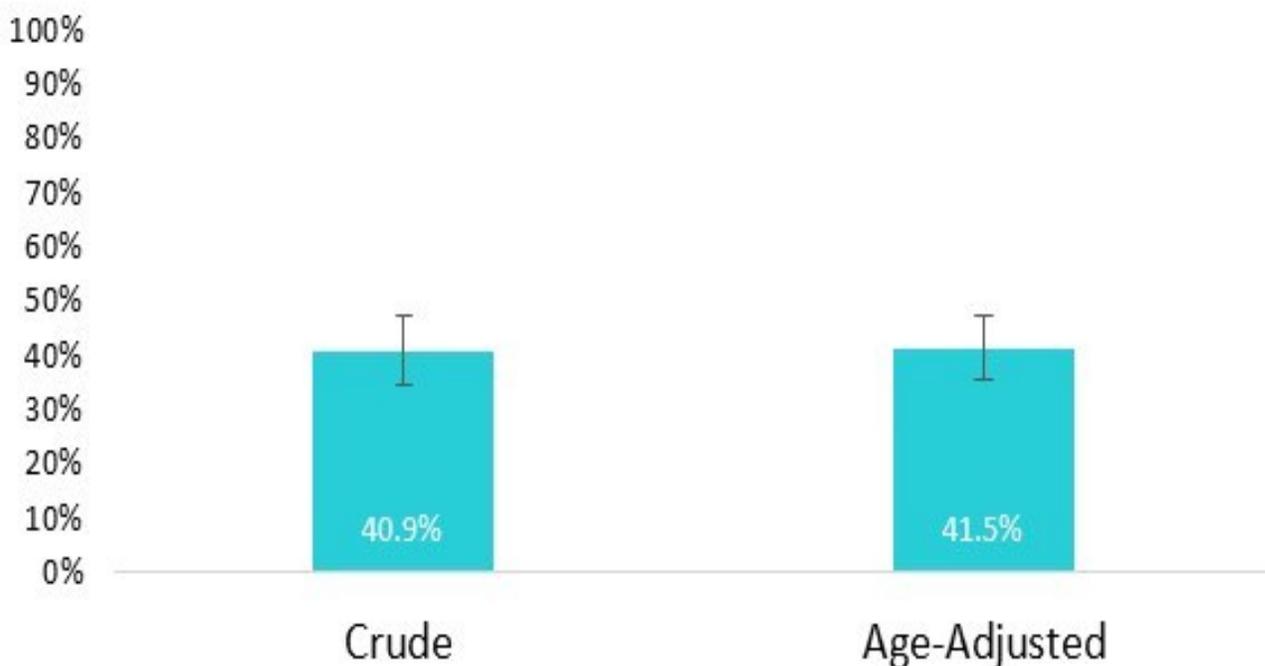
≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	48,087	
	Total	Percent
≥1 dose Influenza last season*	10,167	21.1%
≥1 dose influenza in lifetime	29,083	60.5%
≥1 TDaP	18,825	39.1%
≥1 Varicella	3,753	7.8%
≥1 HPV	2,695	5.6%
≥1 Zoster	2,810	5.8%
≥1 MMR	17,166	35.7%
≥1 PCV13	4,549	9.5%
≥1PPSV23	6,339	13.2%
≥1 Hep A	11,463	23.8%
≥1 Hep B	13,965	29.0%
≥1 Meningococcal	3,881	8.1%
≥1 HIB	8,320	17.3%

*Last flu season between 07/01/2016 and 6/30/2017

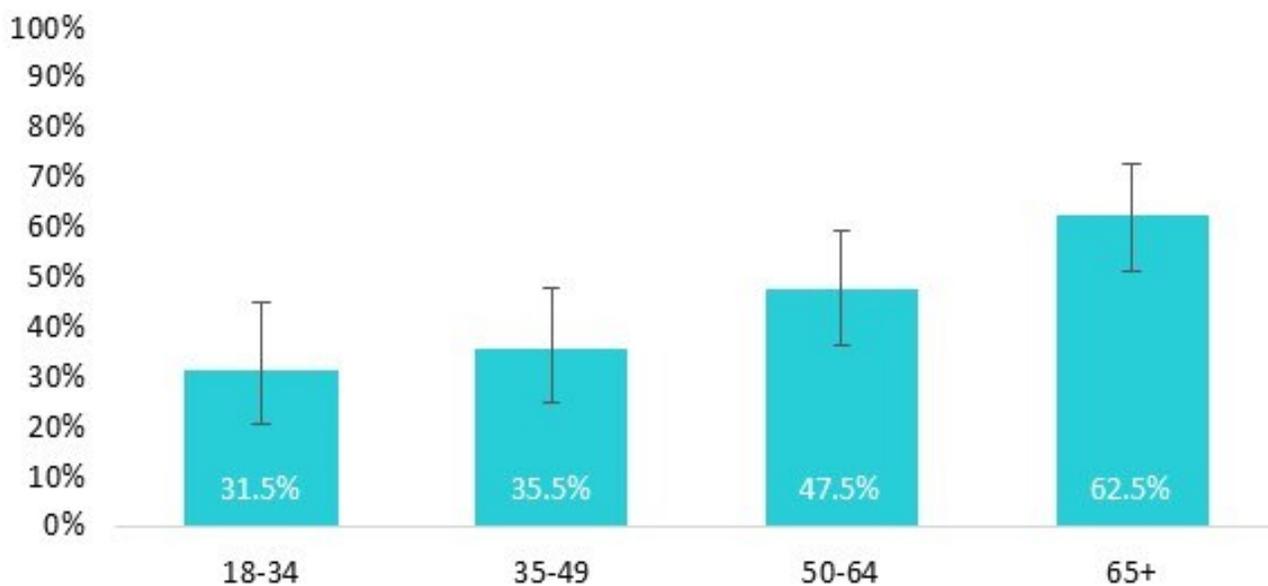


Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates. *Use caution in interpreting, the estimate has a coefficient of variation > 30% and is therefore deemed unreliable by UDOH standards.

2016 Influenza Vaccination (Within the Past Year), Age 18+³

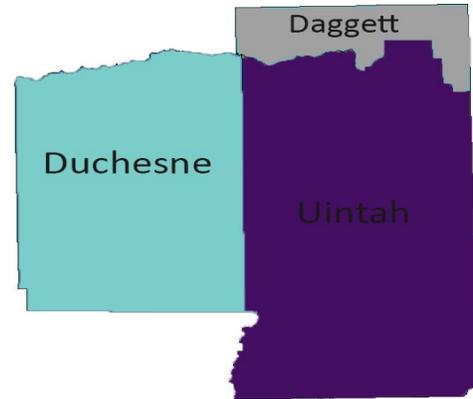


2016 Influenza Vaccination (Within the Past Year) by Age³



Source: BRFSS, Utah, 2016. Crude and Age-Adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	1,085	
	Total	Percent
≥3 doses DTaP	980	90.3%
≥4 doses DTaP	834	76.9%
≥3 doses Polio	972	89.6%
≥1 dose MMR	942	86.8%
≥3 doses Hib	959	88.4%
≥1 dose Hib	1,075	99.1%
≥3 doses Hep B	991	91.3%
Hep B Birth dose	938	86.5%
≥1 dose Varicella	919	84.7%
≥3 doses PCV	956	88.1%
≥4 doses PCV	782	72.1%
≥2 doses Hep A	515	47.5%
≥1 dose Rotavirus	1,001	92.3%
4:3:1	821	75.7%
4:3:1:3	812	74.8%
4:3:1:4	747	68.8%
4:3:1:3:3	809	74.6%
4:3:1:0:3:1	807	74.4%
4:3:1:3:3:1	800	73.7%
4:3:1:4:3:1	740	68.2%
4:3:1:3:3:1:4	740	68.2%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	262	
	Total	Percent
≥1 dose DTaP	261	99.6%
≥1 dose Polio	260	99.2%
≥1 dose Hib	259	98.9%
≥1 dose Hep B	261	99.6%
≥2 doses Hep B	252	96.2%
≥1 dose PCV	258	98.5%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	400	
	Total	Percent
≥2 doses DTaP	370	92.5%
≥2 doses Polio	367	91.8%
≥2 doses Hib	364	91.0%
≥2 doses Hep B	386	96.5%
≥2 doses PCV	362	90.5%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4 = 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1 = 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella. 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1 = 4 DTaP, 3 Polio, 1 MMR, 4 PCV, 3 HepB, 1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	973	
	Total	Percent
≥3 doses DTaP	788	81.0%
≥2 doses Polio	903	92.8%
≥1 dose MMR	409	42.0%
≥2 doses Hib	898	92.3%
≥3 doses Hib	763	78.4%
≥2 doses Hep B	938	96.4%
≥3 doses Hep B	864	88.8%
≥1 dose Varicella	310	31.9%
≥3 doses PCV	765	78.6%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	1,439	
	Total	Percent
≥3 doses DTaP	1,201	83.5%
≥4 doses DTaP	346	24.0%
≥3 doses Polio	1,189	82.6%
≥1 dose MMR	786	54.6%
≥3 doses Hib	1,170	81.3%
≥1 dose Hib	1,425	99.0%
≥3 doses Hep B	1,280	89.0%
≥1 dose Varicella	651	45.2%
≥3 doses PCV	1,169	81.2%
>4 dose PCV	610	42.4%
4:3:1	327	22.7%
4:3:1:3	327	22.7%
4:3:1:4	315	21.9%
4:3:1:3:3	321	22.3%
4:3:1:0:3	321	22.3%
4:3:1:4:3	309	21.5%
4:3:1:3:3:1	310	21.5%
4:3:1:0:3:1	310	21.5%
4:3:1:4:3:1	299	20.8%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	1,871	
	Total	Percent
≥3 doses DTaP	1,600	85.5%
≥4 doses DTaP	677	36.2%
≥3 doses Polio	1,588	84.9%
≥1 dose MMR	1,167	62.4%
≥3 doses Hib	1,561	83.4%
≥1 dose Hib	1,851	98.9%
≥3 doses Hep B	1,683	90.0%
≥1 dose Varicella	1,019	54.5%
≥3 doses PCV	1,562	83.5%
≥4 doses PCV	884	47.2%
4:3:1	653	34.9%
4:3:1:3	654	35.0%
4:3:1:4	615	32.9%
4:3:1:3:3	646	34.5%
4:3:1:0:3	646	34.5%
4:3:1:4:3	607	32.4%
4:3:1:3:3:1	630	33.7%
4:3:1:0:3:1	630	33.7%
4:3:1:4:3:1	592	31.6%
4:3:1:3:3:1:4	592	31.6%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total [^]	6,854	Female Total	3,306	Male Total	3,498
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	2,676	39.0%	1,499	45.3%	1,154	33.0%
2 HPV	1,691	24.7%	990	29.9%	688	19.7%
3 HPV	1,020	14.9%	615	18.6%	399	11.4%

12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	6,854	
	Total	Percent
≥1 dose Meningococcal	4,552	66.4%
≥1 TDaP	5,208	76.0%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	21,807	
	Total	Percent
≥1 dose Influenza in lifetime	11,393	52.2%
≥1 dose Influenza last flu season*	3,601	16.5%

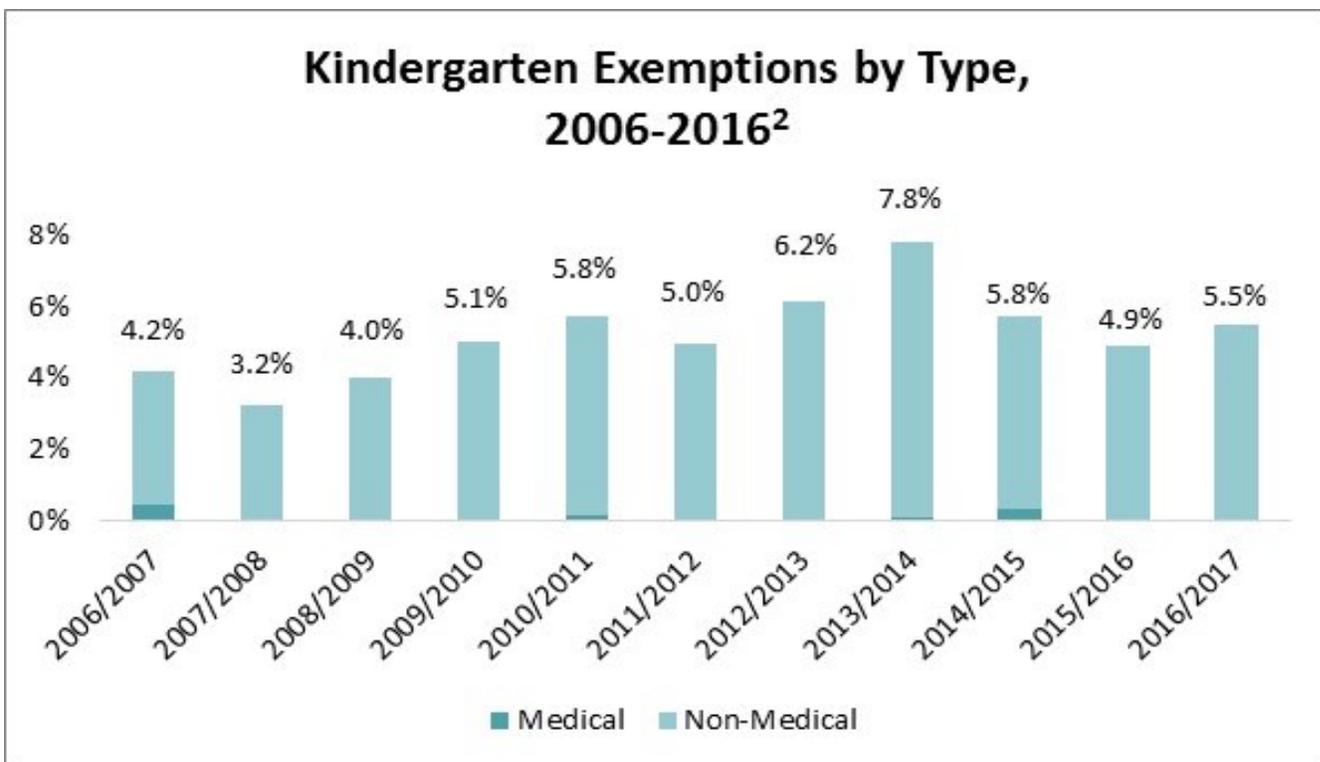
*Last flu season between 07/01/2016 and 6/30/2017. ^Total also includes individuals with an unknown gender in USIIS. **91**

Adequately Immunized by School District 2016²

	Daggett		Duchesne		Uintah	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
Kindergarten School Entry	88.2%	11.8%	90.8%	5.5%	89.5%	5.3%
Second-Dose Measles (K-12)	98.0%	2.0%	95.6%	4.3%	95.1%	4.0%
7th Grade Entry	100%	0%	92.8%	7.2%	91.0%	7.3%

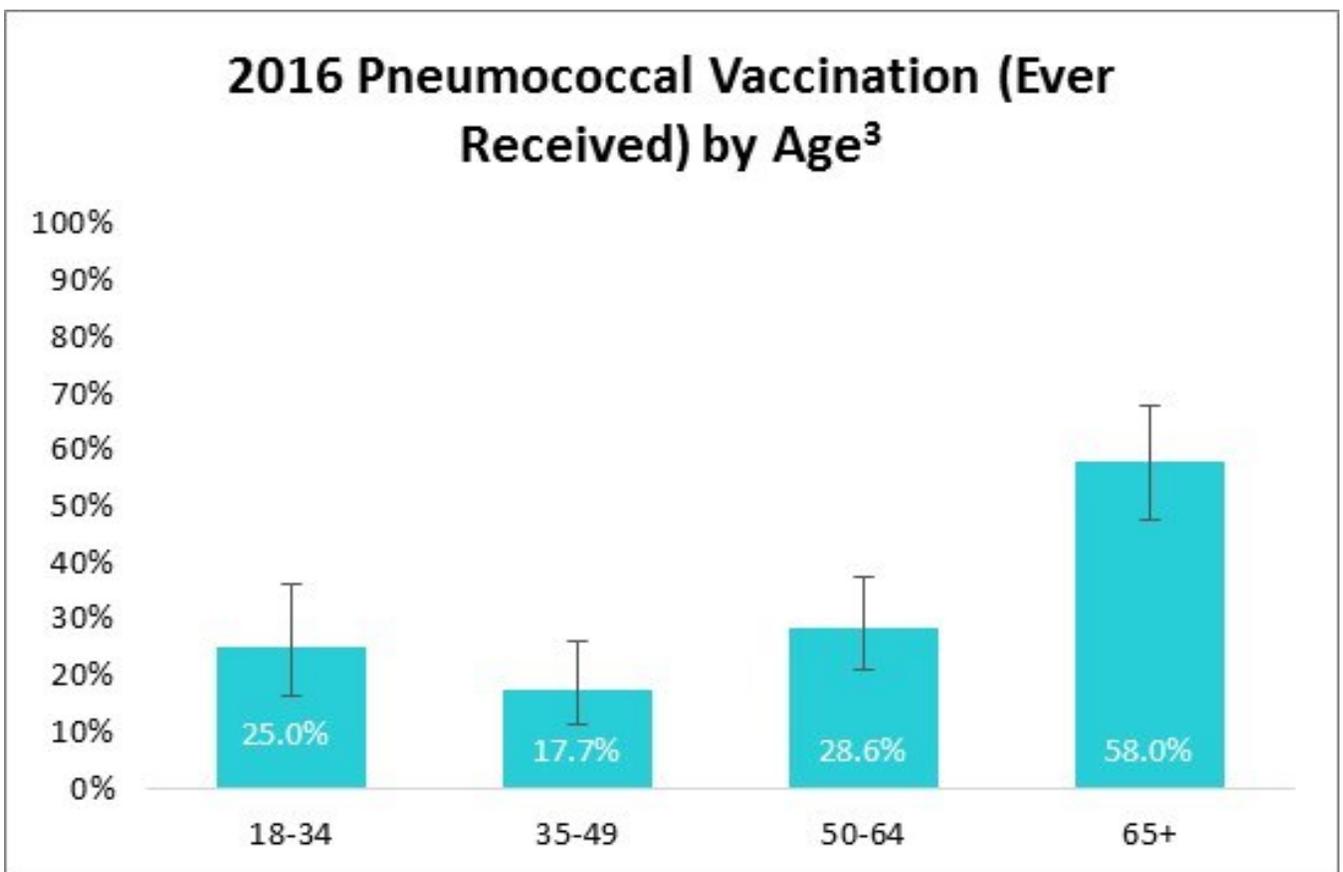
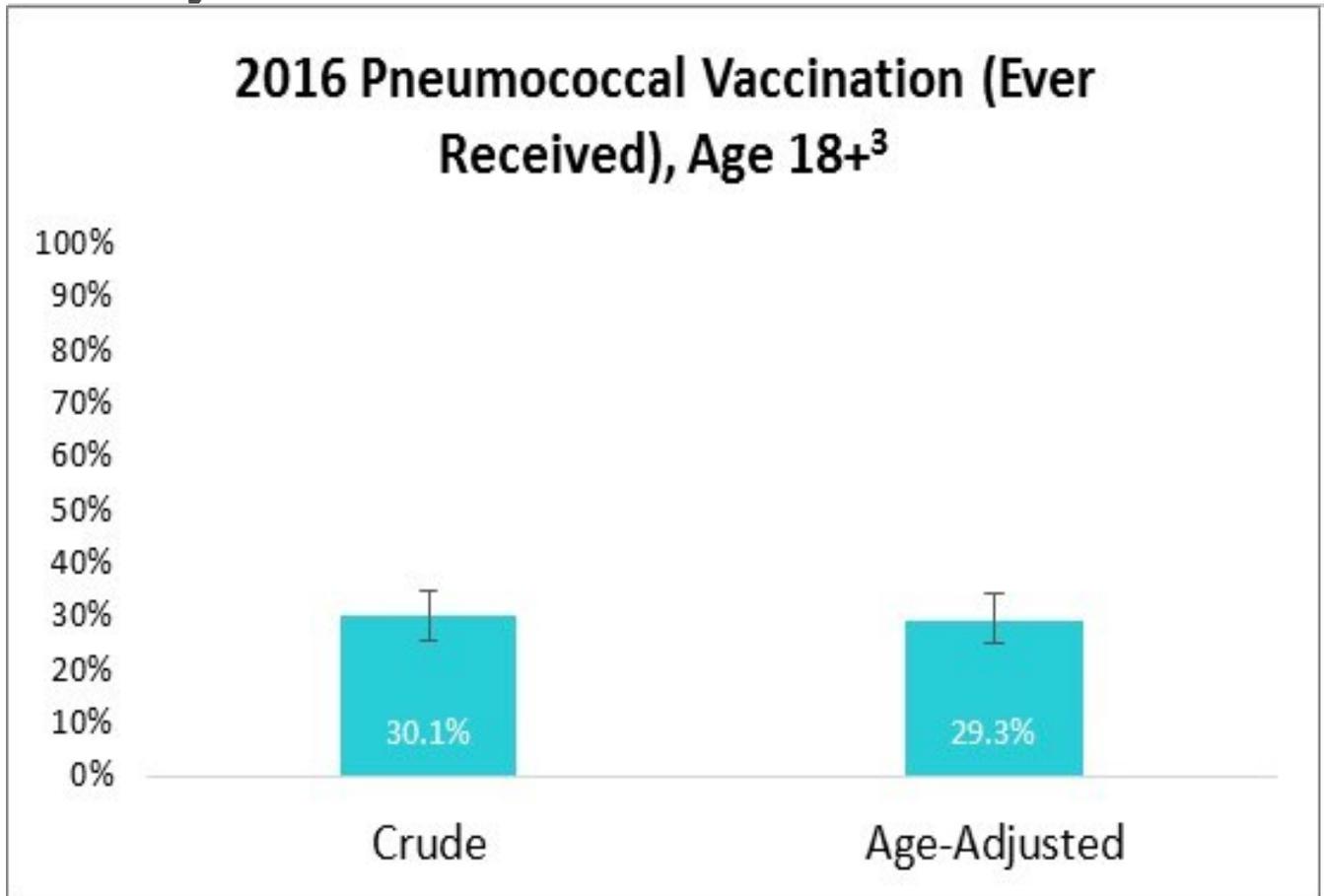
Immunized for Child Care 2016²

	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	91.5%	1.8%
Head Start Centers	N/A	N/A

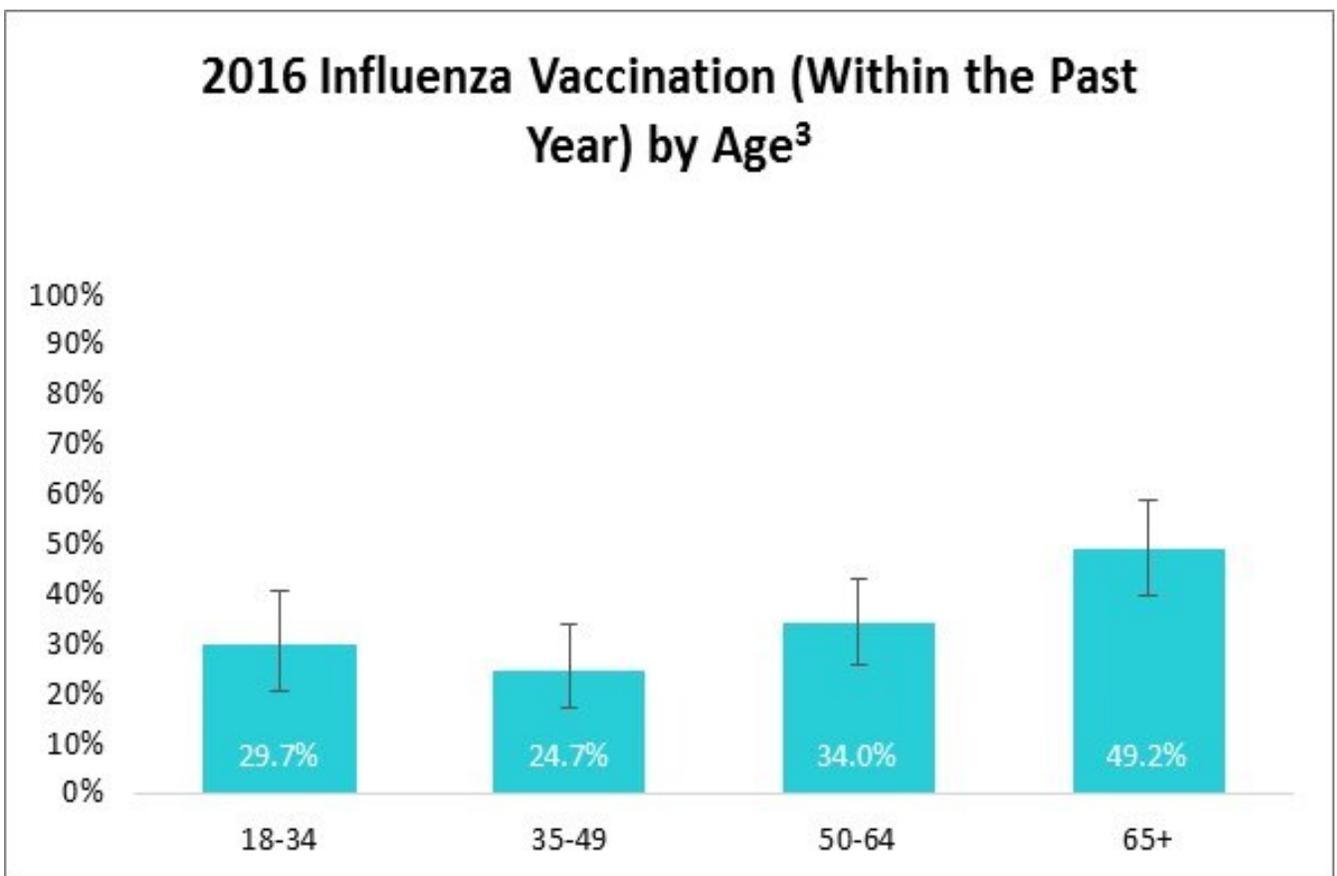
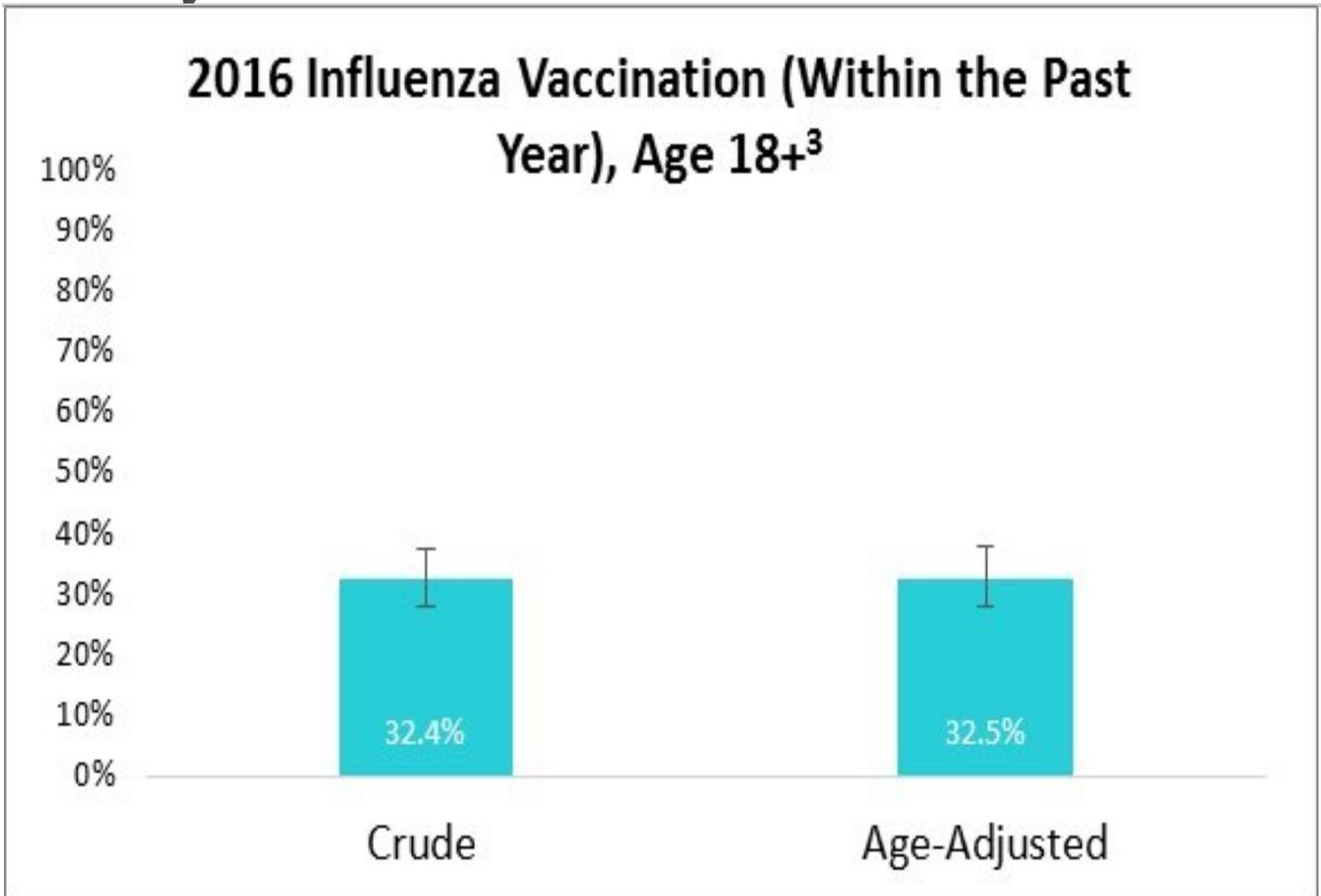


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	39,397	
	Total	Percent
≥1 dose Influenza last season*	6,431	16.3%
≥1 dose influenza in lifetime	17,188	43.6%
≥1 TDaP	14,089	35.8%
≥1 Varicella	3,081	7.8%
≥1 HPV	1,553	3.9%
≥1 Zoster	2,301	5.8%
≥1 MMR	17,427	44.2%
≥1 PCV13	2,454	6.2%
≥1PPSV23	3,799	9.6%
≥1 Hep A	8,989	22.8%
≥1 Hep B	10,765	27.3%
≥1 Meningococcal	3,025	7.7%
≥1 HIB	7,409	18.8%

*Last flu season between 07/01/2016 and 6/30/2017



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	11,980	
	Total	Percent
≥3 doses DTaP	9,876	82.4%
≥4 doses DTaP	7,757	64.7%
≥3 doses Polio	9,064	75.7%
≥1 dose MMR	10,086	84.2%
≥3 doses Hib	9,702	81.0%
≥1 dose Hib	11,606	96.9%
≥3 doses Hep B	8,903	74.3%
Hep B Birth dose	9,528	79.5%
≥1 dose Varicella	9,982	83.3%
≥3 doses PCV	9,819	82.0%
≥4 doses PCV	7,717	64.4%
≥2 doses Hep A	8,149	68.0%
≥1 dose Rotavirus	10,393	86.8%
4:3:1	7,337	61.2%
4:3:1:3	7,297	60.9%
4:3:1:4	6,929	57.8%
4:3:1:3:3	7,024	58.6%
4:3:1:0:3:1	6,995	58.4%
4:3:1:3:3:1	6,964	58.1%
4:3:1:4:3:1	6,663	55.6%
4:3:1:3:3:1:4	6,652	55.5%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	3,509	
	Total	Percent
≥1 dose DTaP	3,499	99.7%
≥1 dose Polio	3,480	99.2%
≥1 dose Hib	3,488	99.4%
≥1 dose Hep B	3,407	97.1%
≥2 doses Hep B	3,065	87.3%
≥1 dose PCV	3,478	99.1%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	5,126	
	Total	Percent
≥2 doses DTaP	4,240	82.7%
≥2 doses Polio	4,205	82.0%
≥2 doses Hib	4,217	82.3%
≥2 doses Hep B	4,505	87.9%
≥2 doses PCV	4,195	81.8%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4 = 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1 = 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1 = 4 DTaP, 3 Polio, 1 MMR, 4 PCV, 3 HepB, 1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	11,766	
	Total	Percent
≥3 doses DTaP	8,730	74.2%
≥2 doses Polio	10,378	88.2%
≥1 dose MMR	4,046	34.4%
≥2 doses Hib	10,422	88.6%
≥3 doses Hib	8,454	71.9%
≥2 doses Hep B	10,673	90.7%
≥3 doses Hep B	8,161	69.4%
≥1 dose Varicella	3,935	33.4%
≥3 doses PCV	8,791	74.7%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	17,473	
	Total	Percent
≥3 doses DTaP	13,445	76.9%
≥4 doses DTaP	4,738	27.1%
≥3 doses Polio	13,177	75.4%
≥1 dose MMR	8,353	47.8%
≥3 doses Hib	13,221	75.7%
≥1 dose Hib	17,276	98.9%
≥3 doses Hep B	12,588	72.0%
≥1 dose Varicella	8,233	47.1%
≥3 doses PCV	13,623	78.0%
>4 dose PCV	7,338	42.0%
4:3:1	4,410	25.2%
4:3:1:3	4,403	25.2%
4:3:1:4	4,265	24.4%
4:3:1:3:3	4,261	24.4%
4:3:1:0:3	4,267	24.4%
4:3:1:4:3	4,141	23.7%
4:3:1:3:3:1	4,235	24.2%
4:3:1:0:3:1	4,235	24.2%
4:3:1:4:3:1	4,114	23.5%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	22,504	
	Total	Percent
≥3 doses DTaP	17,726	78.8%
≥4 doses DTaP	7,886	35.0%
≥3 doses Polio	17,147	76.2%
≥1 dose MMR	12,629	56.1%
≥3 doses Hib	17,459	77.6%
≥1 dose Hib	22,208	98.7%
≥3 doses Hep B	16,443	73.1%
≥1 dose Varicella	12,475	55.4%
≥3 doses PCV	17,902	79.6%
≥4 doses PCV	10,300	45.8%
4:3:1	7,480	33.2%
4:3:1:3	7,471	33.2%
4:3:1:4	7,235	32.1%
4:3:1:3:3	7,170	31.9%
4:3:1:0:3	7,177	31.9%
4:3:1:4:3	6,961	30.9%
4:3:1:3:3:1	7,118	31.6%
4:3:1:0:3:1	7,129	31.7%
4:3:1:4:3:1	6,922	30.8%
4:3:1:3:3:1:4	6,925	30.8%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total[^]	78,193	Female Total	37,699	Male Total	39,651
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	27,514	35.2%	15,163	40.2%	12,312	31.1%
2 HPV	15,248	19.5%	8,643	22.9%	6,584	16.6%
3 HPV	7,704	9.9%	4,539	12.0%	3,154	8.0%

12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	78,193	
	Total	Percent
≥1 dose Meningococcal	44,592	57.0%
≥1 TDaP	47,296	60.5%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	234,073	
	Total	Percent
≥1 dose Influenza in lifetime	142,745	61.0%
≥1 dose Influenza last flu season*	59,511	25.4%

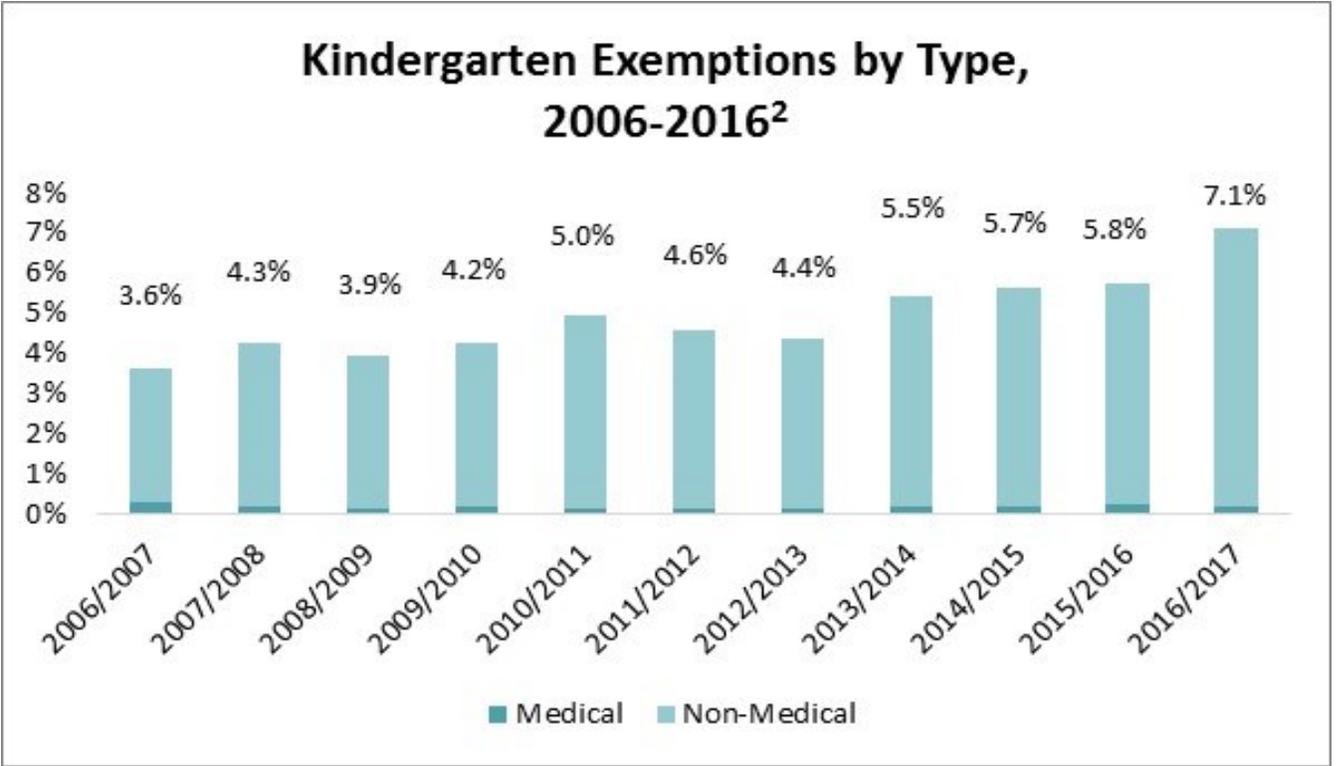
*Last flu season between 07/01/2016 and 6/30/2017. [^]Total also includes individuals with an unknown gender in USIIS. **99**

Adequately Immunized by School District 2016²

	Alpine		Nebo		Provo	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
Kindergarten School Entry	86.9%	6.8%	91.8%	3.9%	83.6%	12.6%
Second-Dose Measles (K-12)	95.3%	4.3%	96.1%	3.8%	94.3%	5.5%
7th Grade Entry	84.7%	9.0%	93.2%	5.7%	83.0%	10.5%

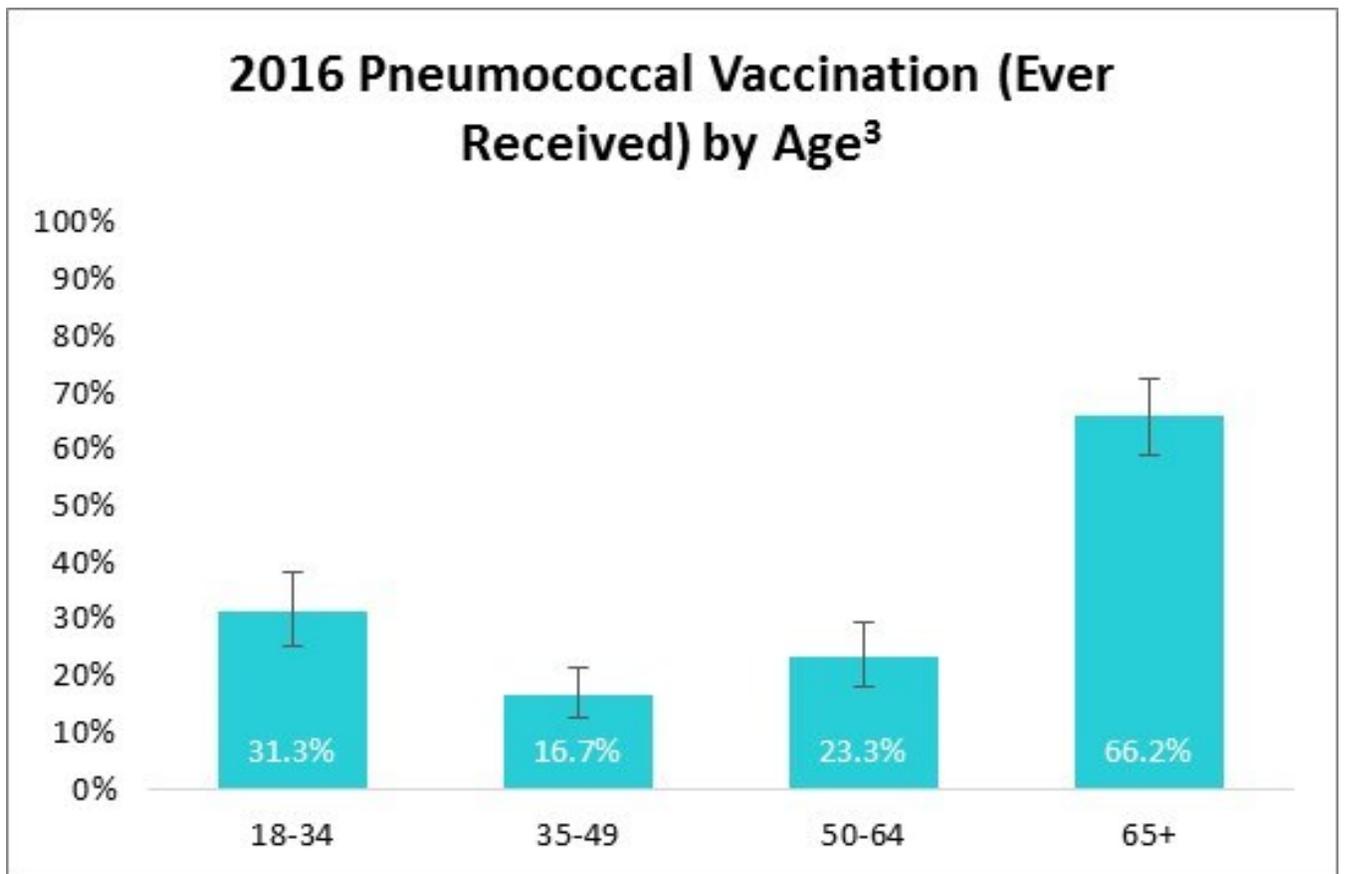
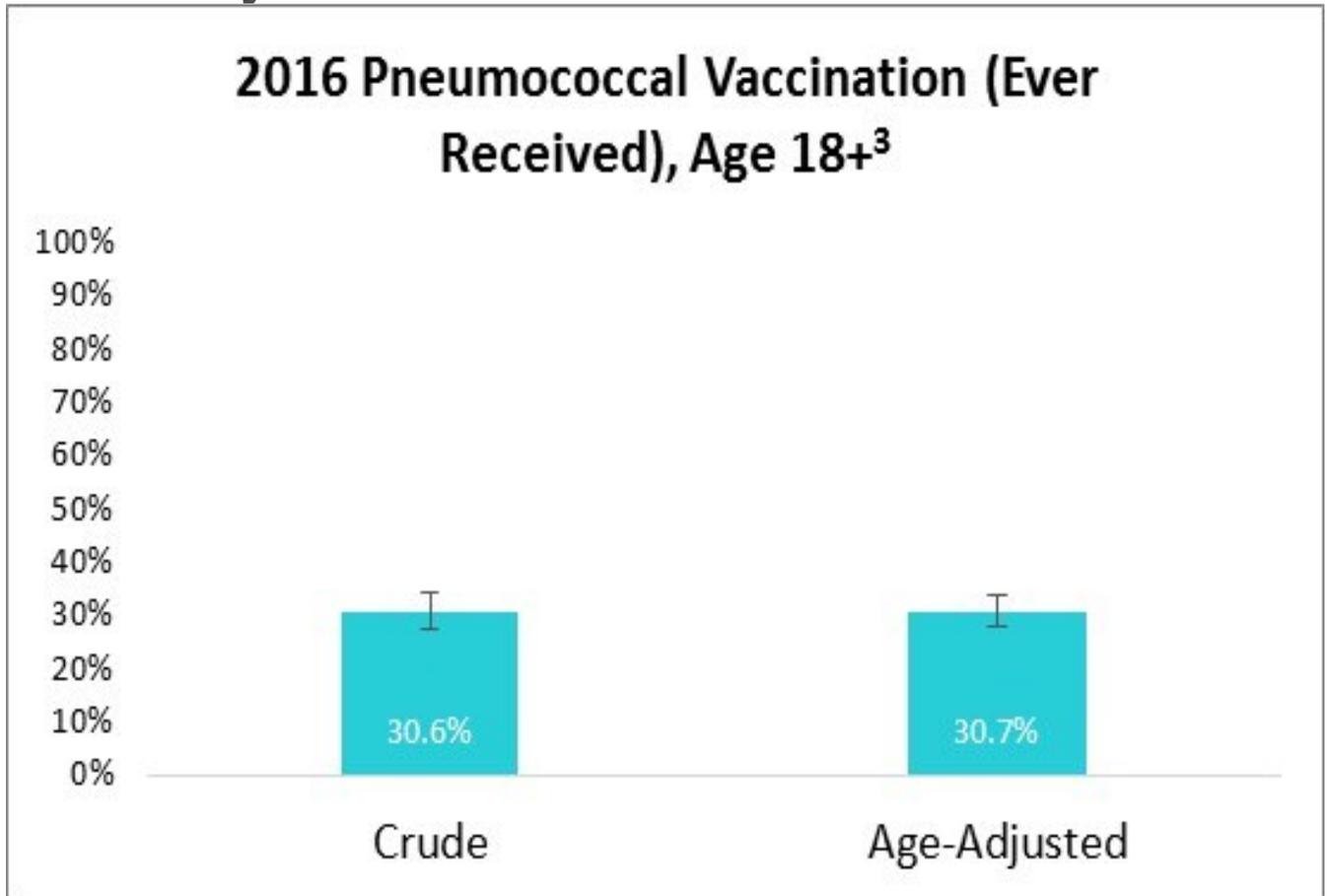
Immunized for Child Care 2016²

	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	89.3%	1.5%
Head Start Centers	93.2%	0%

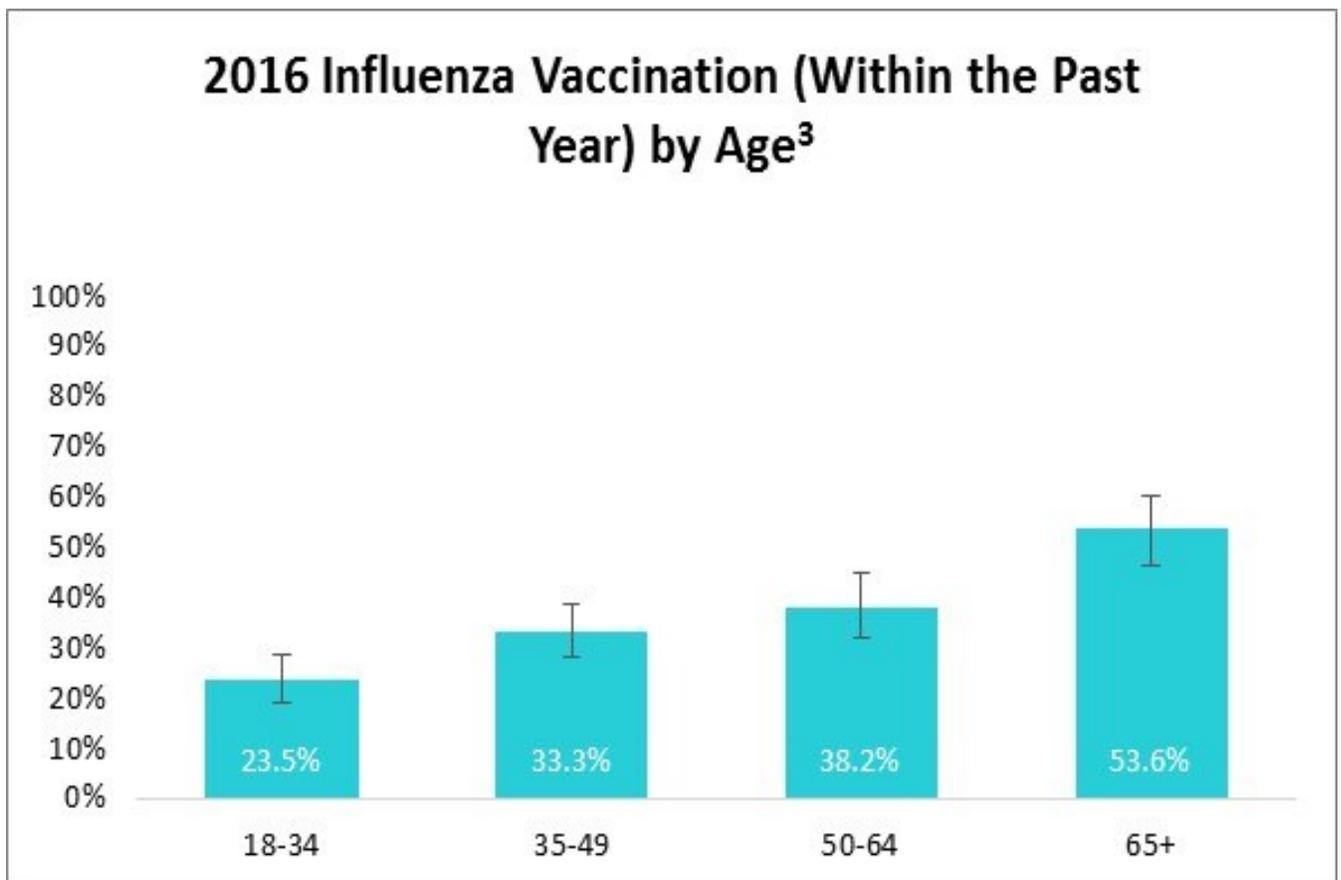
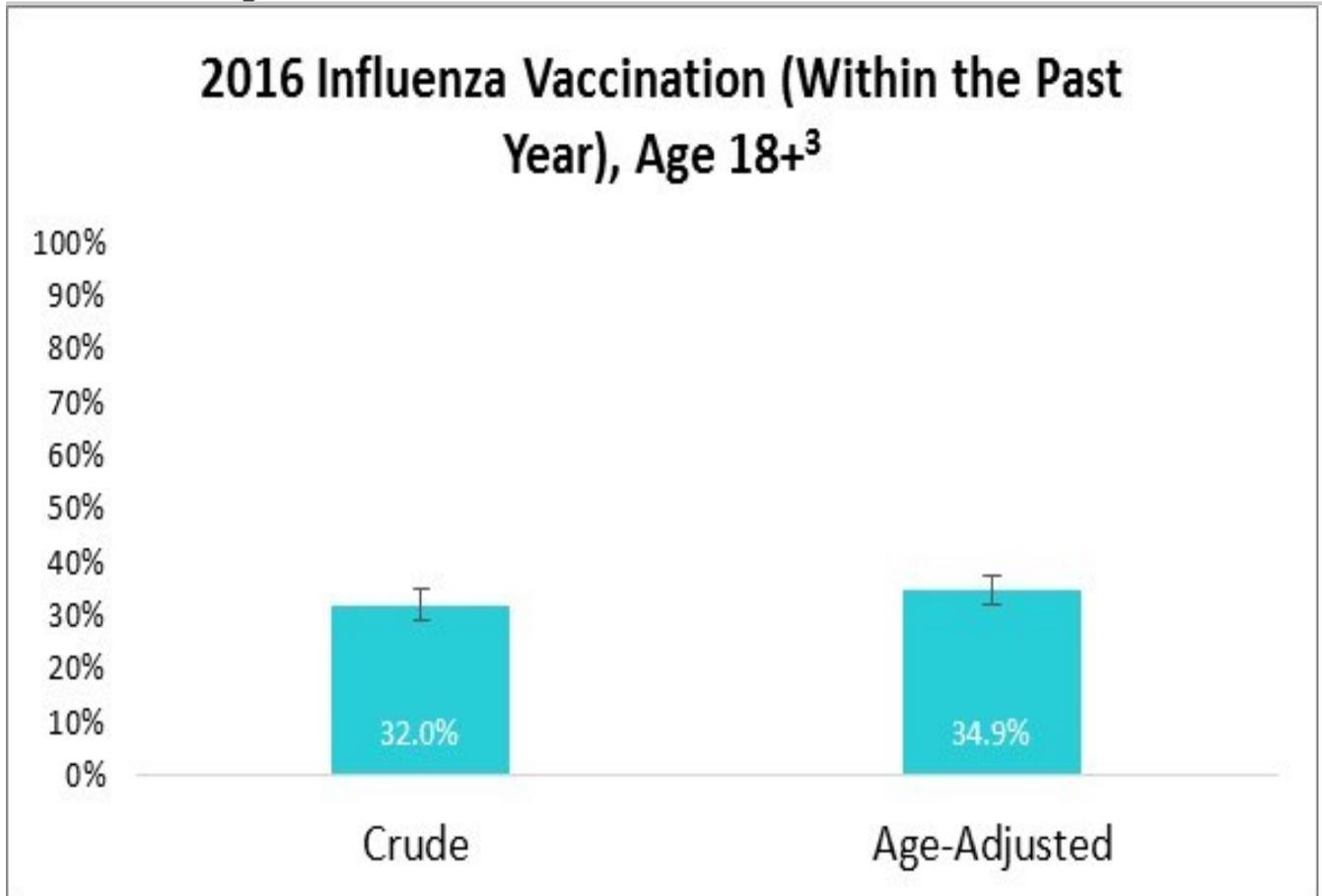


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	362,064	
	Total	Percent
≥1 dose Influenza last season*	75,789	20.9%
≥1 dose influenza in lifetime	222,519	61.5%
≥1 TDaP	150,670	41.6%
≥1 Varicella	30,936	8.5%
≥1 HPV	14,236	3.9%
≥1 Zoster	17,897	4.9%
≥1 MMR	111,355	30.8%
≥1 PCV13	21,421	5.9%
≥1PPSV23	40,268	11.1%
≥1 Hep A	116,590	32.2%
≥1 Hep B	123,555	34.1%
≥1 Meningococcal	41,182	11.4%
≥1 HIB	59,257	16.4%

*Last flu season between 07/01/2016 and 6/30/2017



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	518	
	Total	Percent
≥3 doses DTaP	468	90.3%
≥4 doses DTaP	379	73.2%
≥3 doses Polio	440	84.9%
≥1 dose MMR	445	85.9%
≥3 doses Hib	439	84.7%
≥1 dose Hib	508	98.1%
≥3 doses Hep B	413	79.7%
Hep B Birth dose	402	77.6%
≥1 dose Varicella	437	84.4%
≥3 doses PCV	443	85.5%
≥4 doses PCV	355	68.5%
≥2 doses Hep A	312	60.2%
≥1 dose Rotavirus	437	84.4%
4:3:1	366	70.7%
4:3:1:3	361	69.7%
4:3:1:4	325	62.7%
4:3:1:3:3	339	65.4%
4:3:1:0:3:1	343	66.2%
4:3:1:3:3:1	339	65.4%
4:3:1:4:3:1	308	59.5%
4:3:1:3:3:1:4	306	59.1%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	142	
	Total	Percent
≥1 dose DTaP	140	98.6%
≥1 dose Polio	138	97.2%
≥1 dose Hib	138	97.2%
≥1 dose Hep B	138	97.2%
≥2 doses Hep B	137	96.5%
≥1 dose PCV	140	98.6%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	202	
	Total	Percent
≥2 doses DTaP	184	91.1%
≥2 doses Polio	182	90.1%
≥2 doses Hib	180	89.1%
≥2 doses Hep B	192	95.0%
≥2 doses PCV	184	91.1%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio, 1 MMR, 4 PCV, 3 HepB, 1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	485	
	Total	Percent
≥3 doses DTaP	390	80.4%
≥2 doses Polio	449	92.6%
≥1 dose MMR	165	34.0%
≥2 doses Hib	440	90.7%
≥3 doses Hib	307	63.3%
≥2 doses Hep B	452	93.2%
≥3 doses Hep B	374	77.1%
≥1 dose Varicella	128	26.4%
≥3 doses PCV	384	79.2%

<19 Months of Age⁵		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	729	
	Total	Percent
≥3 doses DTaP	596	81.8%
≥4 doses DTaP	208	28.5%
≥3 doses Polio	572	78.5%
≥1 dose MMR	351	48.1%
≥3 doses Hib	489	67.1%
≥1 dose Hib	715	98.1%
≥3 doses Hep B	563	77.2%
≥1 dose Varicella	302	41.4%
≥3 doses PCV	589	80.8%
>4 dose PCV	319	43.8%
4:3:1	193	26.5%
4:3:1:3	187	25.7%
4:3:1:4	175	24.0%
4:3:1:3:3	182	25.0%
4:3:1:0:3	188	25.8%
4:3:1:4:3	171	23.5%
4:3:1:3:3:1	184	25.2%
4:3:1:0:3:1	184	25.2%
4:3:1:4:3:1	168	23.0%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	940	
	Total	Percent
≥3 doses DTaP	780	83.0%
≥4 doses DTaP	352	37.4%
≥3 doses Polio	748	79.6%
≥1 dose MMR	530	56.4%
≥3 doses Hib	668	71.1%
≥1 dose Hib	922	98.1%
≥3 doses Hep B	733	78.0%
≥1 dose Varicella	477	50.7%
≥3 doses PCV	774	82.3%
≥4 doses PCV	445	47.3%
4:3:1	334	35.5%
4:3:1:3	326	34.7%
4:3:1:4	301	32.0%
4:3:1:3:3	313	33.3%
4:3:1:0:3	321	34.1%
4:3:1:4:3	291	31.0%
4:3:1:3:3:1	308	32.8%
4:3:1:0:3:1	316	33.6%
4:3:1:4:3:1	288	30.6%
4:3:1:3:3:1:4	284	30.2%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total[^]	4,169	Female Total	1,959	Male Total	2,188
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	1,634	39.2%	855	43.6%	775	35.4%
2 HPV	863	20.7%	480	24.5%	380	17.4%
3 HPV	404	9.7%	241	12.3%	161	7.4%

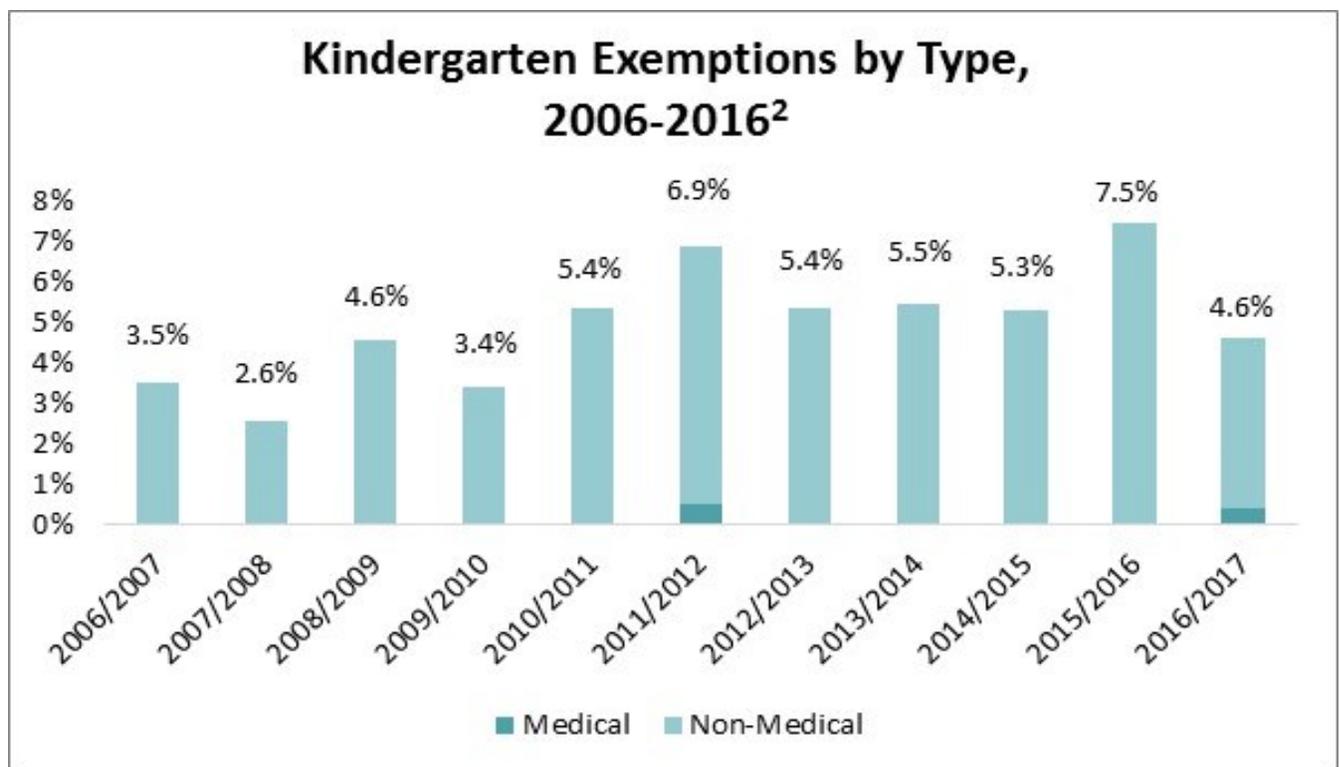
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	4,169	
	Total	Percent
≥1 dose Meningococcal	2,736	65.6%
≥1 TDaP	3,248	77.9%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	11,957	
	Total	Percent
≥1 dose Influenza in lifetime	7,564	63.3%
≥1 dose Influenza last flu season*	2,193	18.3%

*Last flu season between 07/01/2016 and 6/30/2017. [^]Total also includes individuals with an unknown gender in USIIS.

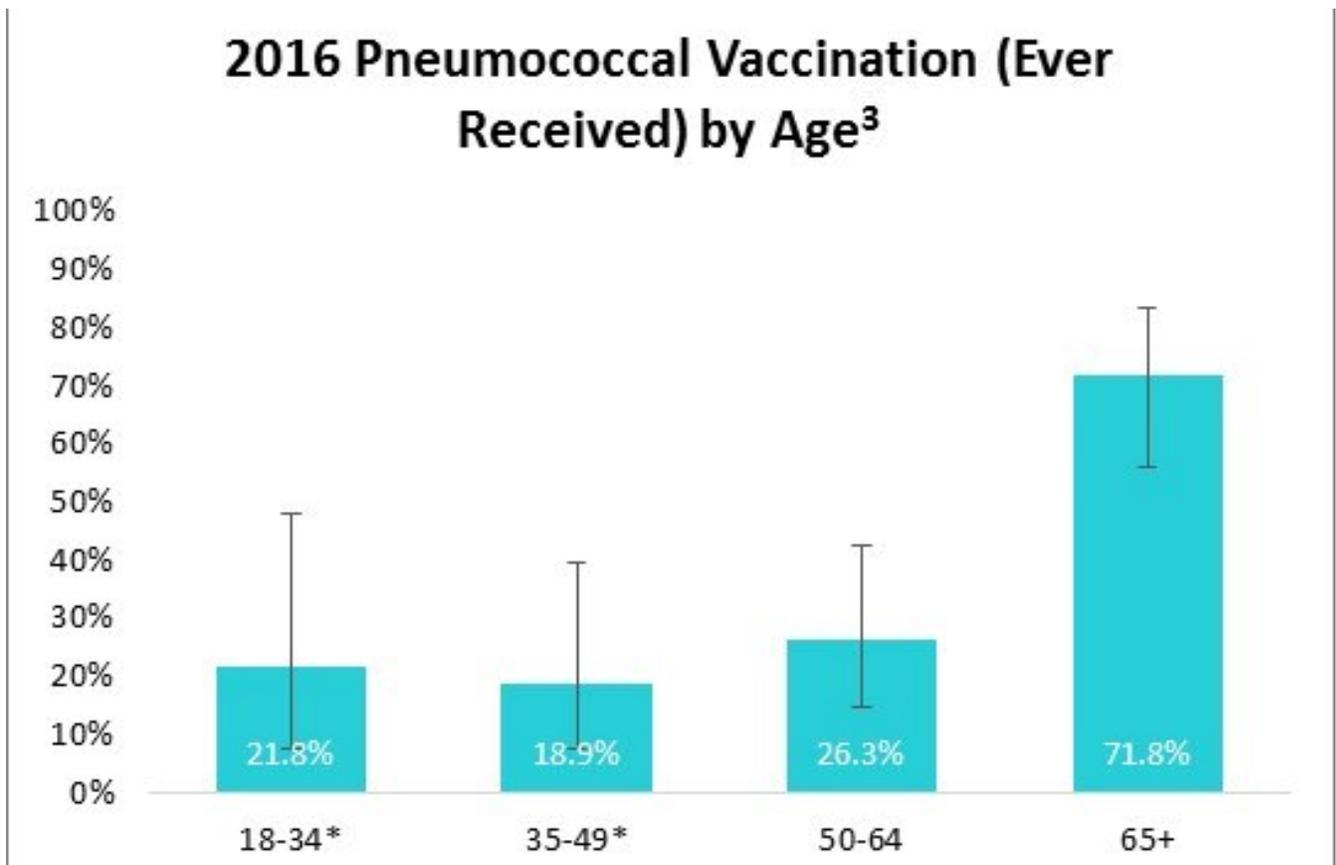
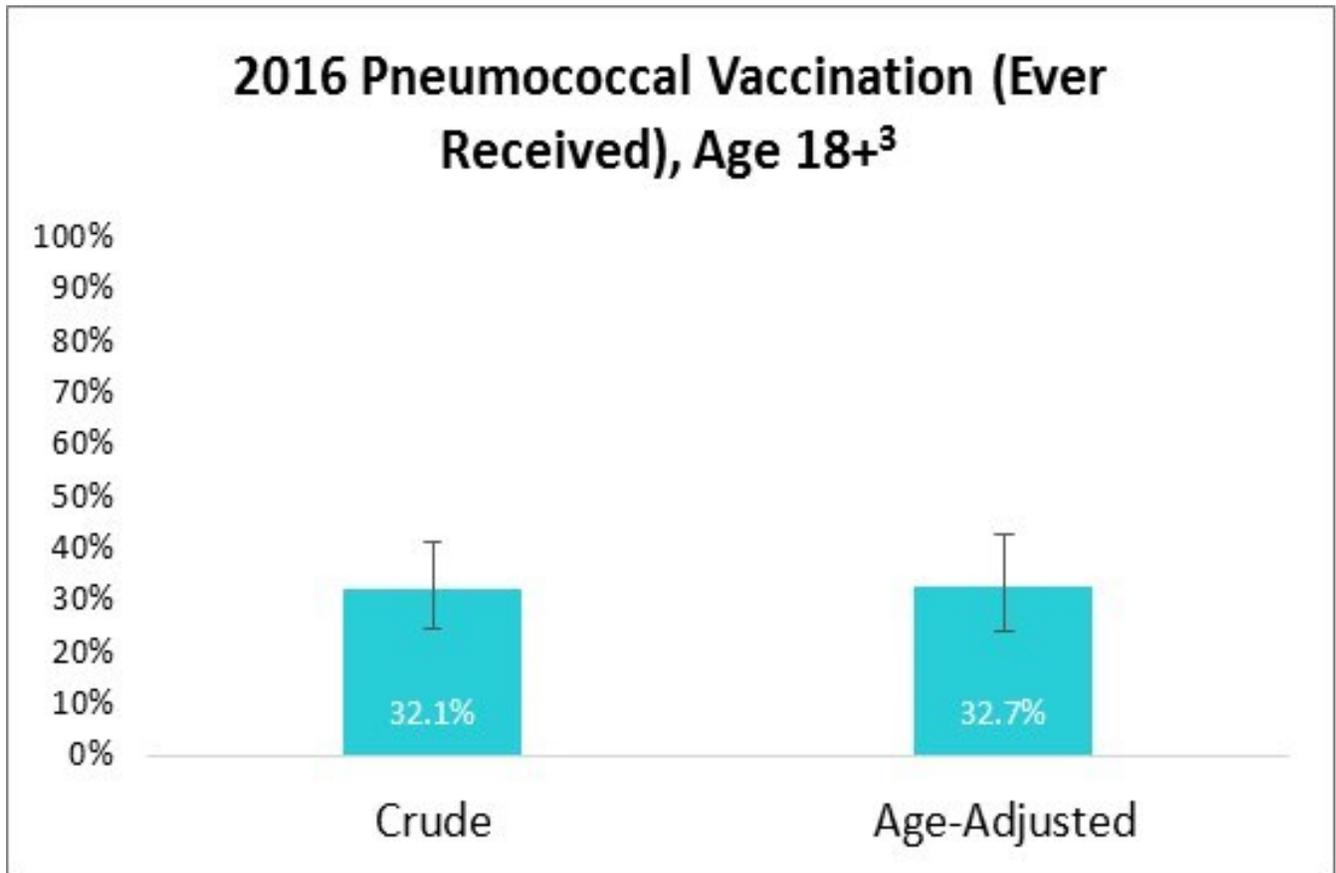
Adequately Immunized by School District 2016 ²		
Wasatch		
	Adequately Immunized	Total Exemptions
Kindergarten School Entry	91.9%	3.9%
Second-Dose Measles (K-12)	95.4%	4.4%
7th Grade Entry	95.0%	4.5%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	73.1%	0%
Head Start Centers	N/A	N/A

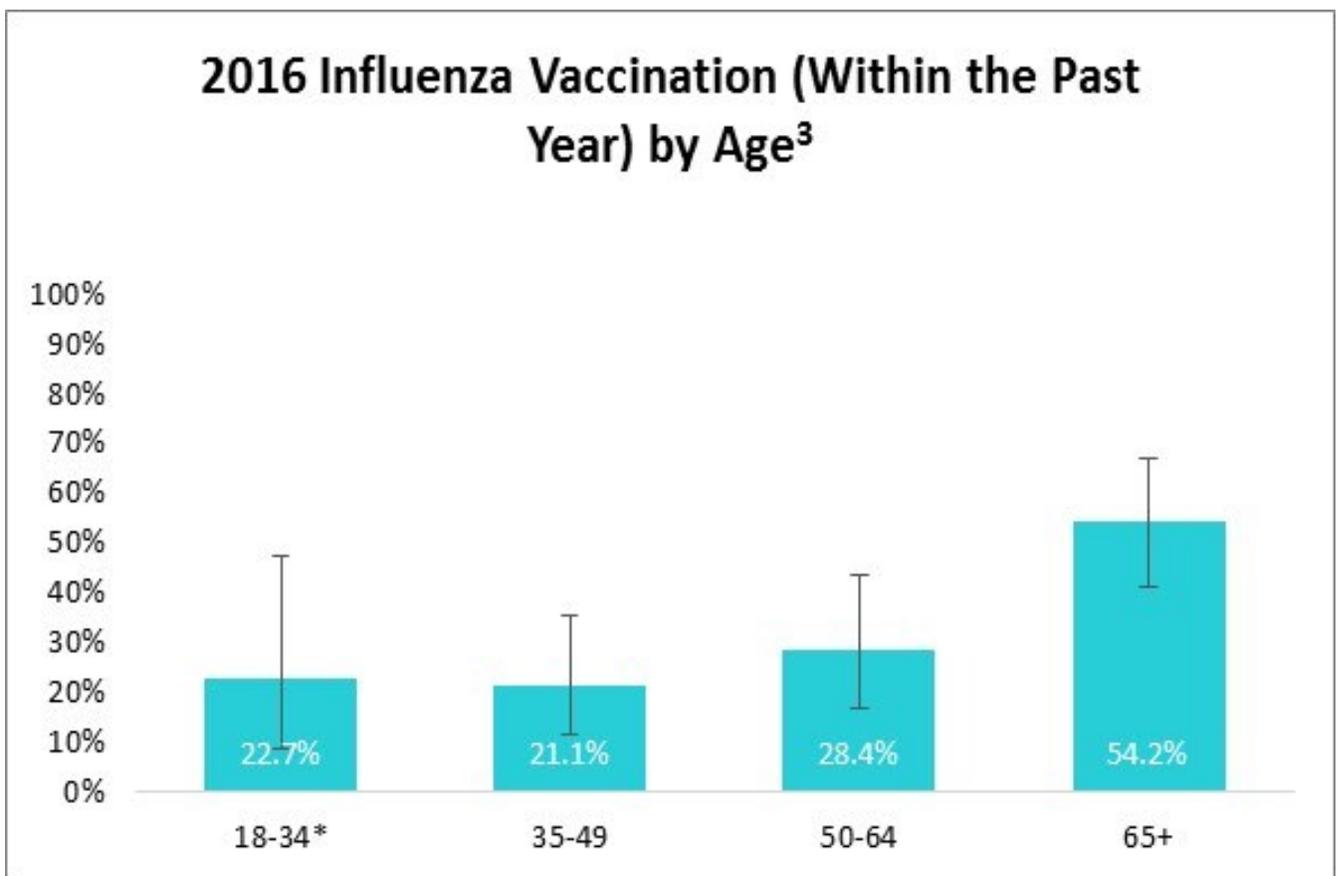
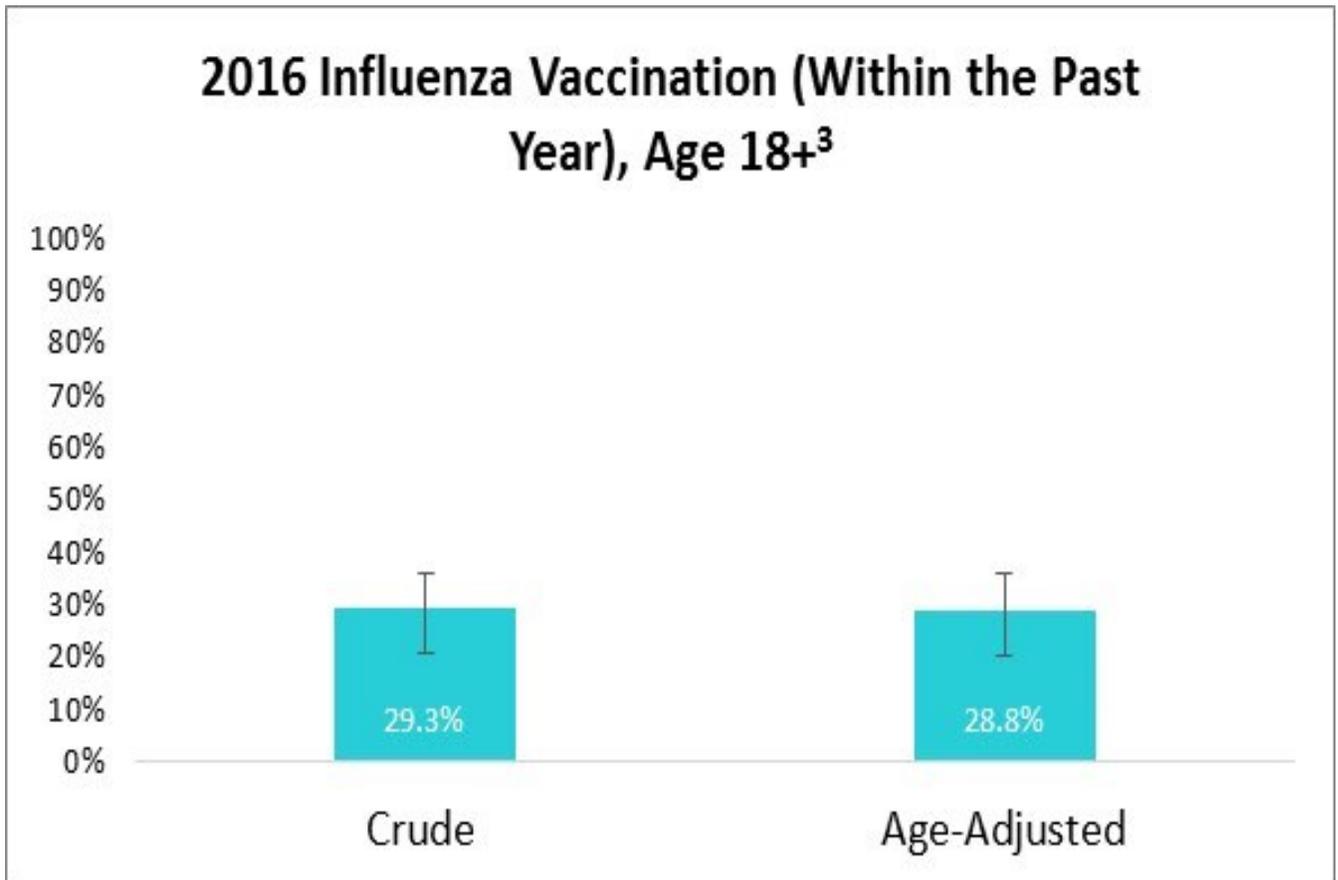


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	19,958	
	Total	Percent
≥1 dose Influenza last season*	4,591	23.0%
≥1 dose influenza in lifetime	12,587	63.1%
≥1 TDaP	10,296	51.6%
≥1 Varicella	1,945	9.7%
≥1 HPV	868	4.3%
≥1 Zoster	1,702	8.5%
≥1 MMR	5,984	30.0%
≥1 PCV13	2,074	10.4%
≥1PPSV23	2,221	11.1%
≥1 Hep A	7,004	35.1%
≥1 Hep B	7,182	36.0%
≥1 Meningococcal	2,961	14.8%
≥1 HIB	3,444	17.3%

*Last flu season between 07/01/2016 and 6/30/2017

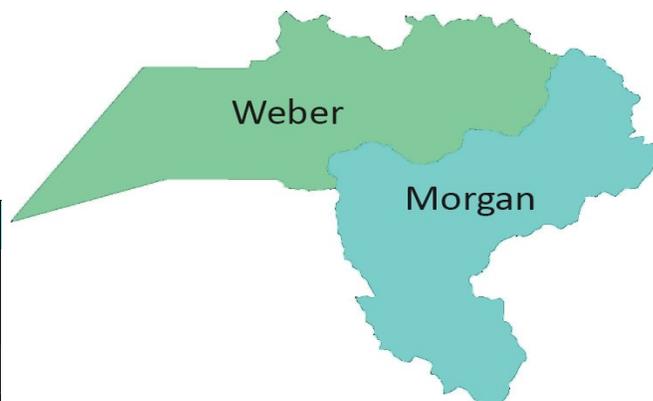


Source: BRFSS, Utah, 2016. Crude and Age-Adjusted Rates. * Use caution in interpreting, the estimate has a coefficient of variation > 30% and is therefore deemed unreliable by UDOH standards.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates. * Use caution in interpreting, the estimate has a coefficient of variation > 30% and is therefore deemed unreliable by UDOH standards.

Early Childhood Immunization



24-35 months of Age ⁵		
Children in USIIS born between 07/02/2014 and 07/01/2015		
Total	4,149	
	Total	Percent
≥3 doses DTaP	3,840	92.6%
≥4 doses DTaP	3,440	82.9%
≥3 doses Polio	3,803	91.7%
≥1 dose MMR	3,765	90.7%
≥3 doses Hib	3,773	90.9%
≥1 dose Hib	4,101	98.8%
≥3 doses Hep B	3,780	91.1%
Hep B Birth dose	3,557	85.7%
≥1 dose Varicella	3,756	90.5%
≥3 doses PCV	3,784	91.2%
≥4 doses PCV	3,337	80.4%
≥2 doses Hep A	3,128	75.4%
≥1 dose Rotavirus	3,797	91.5%
4:3:1	3,388	81.7%
4:3:1:3	3,366	81.1%
4:3:1:4	3,205	77.2%
4:3:1:3:3	3,327	80.2%
4:3:1:0:3:1	3,339	80.5%
4:3:1:3:3:1	3,318	80.0%
4:3:1:4:3:1	3,166	76.3%
4:3:1:3:3:1:4	3,163	76.2%

≤3 months of Age ⁵		
Children in USIIS born between 03/02/2017 and 07/01/2017		
Total	1,308	
	Total	Percent
≥1 dose DTaP	1,304	99.7%
≥1 dose Polio	1,297	99.2%
≥1 dose Hib	1,303	99.6%
≥1 dose Hep B	1,295	99.0%
≥2 doses Hep B	1,258	96.2%
≥1 dose PCV	1,301	99.5%

≤5 months of Age ⁵		
Children in USIIS born between 01/02/2017 and 07/01/2017		
Total	1,921	
	Total	Percent
≥2 doses DTaP	1,809	94.2%
≥2 doses Polio	1,798	93.6%
≥2 doses Hib	1,805	94.0%
≥2 doses Hep B	1,851	96.4%
≥2 doses PCV	1,796	93.5%

Source: USIIS. Service area results may vary due to provider facility participation. 4:3:1 = 4+DTaP, 3+Polio, 1+MMR. 4:3:1:3 = 4+DTaP, 3+Polio, 1+MMR, 3+ PCV. 4:3:1:4= 4+DTaP, 3+Polio, 1+MMR, 4 PCV. 4:3:1:3:3 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB. 4:3:1:0:3:1= 4 DTaP, 3 Polio, 1 MMR, 0 HIB, 3 HepB, 1 Varicella . 4:3:1:3:3:1 = 4+DTaP, 3+Polio, 1+MMR, full HIB series, 3+HepB, 1+Varicella. 4:3:1:4:3:1= 4 DTaP, 3 Polio,1 MMR, 4 PCV, 3 HepB,1 Varicella. 4:3:1:3:3:1:4 = Same as 4:3:1:3:3:1, adding 4PCV.

<13 Months of Age⁵		
Children in USIIS born between 06/02/2016 and 07/01/2017		
Total	4,254	
	Total	Percent
≥3 doses DTaP	3,613	84.9%
≥2 doses Polio	4,015	94.4%
≥1 dose MMR	1,765	41.5%
≥2 doses Hib	4,025	94.6%
≥3 doses Hib	3,476	81.7%
≥2 doses Hep B	4,107	96.5%
≥3 doses Hep B	3,520	82.7%
≥1 dose Varicella	1,763	41.4%
≥3 doses PCV	3,598	84.6%

<19 Months of Age⁶		
Children in USIIS born between 12/02/2015 and 07/01/2017		
Total	6,271	
	Total	Percent
≥3 doses DTaP	5,467	87.2%
≥4 doses DTaP	2,369	37.8%
≥3 doses Polio	5,428	86.6%
≥1 dose MMR	3,556	56.7%
≥3 doses Hib	5,314	84.7%
≥1 dose Hib	6,226	99.3%
≥3 doses Hep B	5,344	85.2%
≥1 dose Varicella	3,542	56.5%
≥3 doses PCV	5,450	86.9%
>4 dose PCV	3,385	54.0%
4:3:1	2,331	37.2%
4:3:1:3	2,327	37.1%
4:3:1:4	2,262	36.1%
4:3:1:3:3	2,290	36.5%
4:3:1:0:3	2,294	36.6%
4:3:1:4:3	2,230	35.6%
4:3:1:3:3:1	2,288	36.5%
4:3:1:0:3:1	2,289	36.5%
4:3:1:4:3:1	2,225	35.5%

<24 Months of Age⁵		
Children in USIIS born between 07/02/2015 and 07/01/2017		
Total	8,067	
	Total	Percent
≥3 doses DTaP	7,137	88.5%
≥4 doses DTaP	3,827	47.4%
≥3 doses Polio	7,071	87.7%
≥1 dose MMR	5,185	64.3%
≥3 doses Hib	6,957	86.2%
≥1 dose Hib	8,010	99.3%
≥3 doses Hep B	6,971	86.4%
≥1 dose Varicella	5,164	64.0%
≥3 doses PCV	7,092	87.9%
≥4 doses PCV	4,663	57.8%
4:3:1	3,767	46.7%
4:3:1:3	3,761	46.6%
4:3:1:4	3,634	45.0%
4:3:1:3:3	3,699	45.9%
4:3:1:0:3	3,706	45.9%
4:3:1:4:3	3,581	44.4%
4:3:1:3:3:1	3,685	45.7%
4:3:1:0:3:1	3,692	45.8%
4:3:1:4:3:1	3,574	44.3%
4:3:1:3:3:1:4	3,571	44.3%

12-17 Years of Age ⁵						
Children in USIIS born between 07/02/1999 and 07/01/2005						
	Total [^]	31,594	Female Total	15,418	Male Total	16,073
	Total	Total %	Female Total	Female %	Male Total	Male %
1 HPV	15,845	50.2%	8,418	54.6%	7,406	46.1%
2 HPV	10,685	33.8%	5,868	38.1%	4,807	29.9%
3 HPV	6,744	21.3%	3,815	24.7%	2,926	18.2%

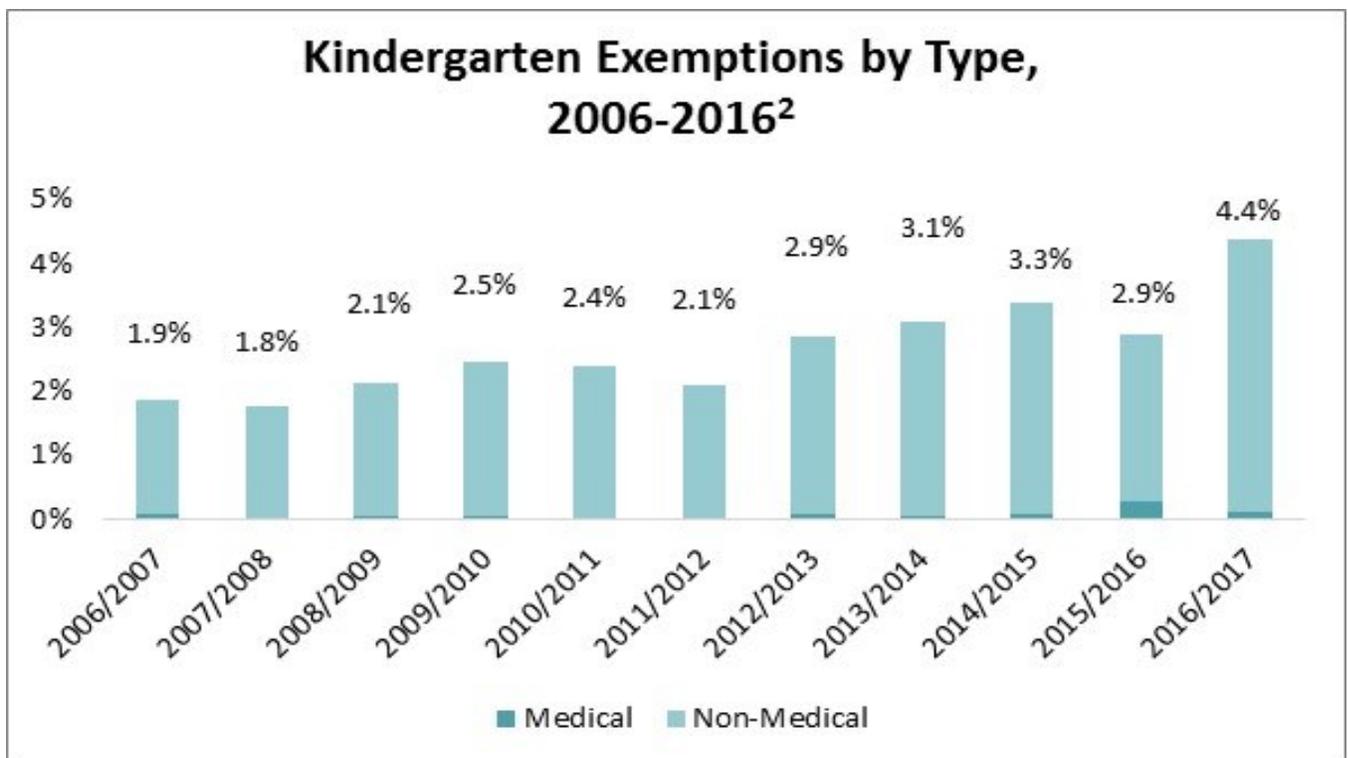
12-17 Years of Age ⁵		
Children in USIIS born between 07/02/1999 and 07/01/2005		
Total	31,594	
	Total	Percent
≥1 dose Meningococcal	21,925	69.4%
≥1 TDaP	24,127	76.4%

≤18 Years of Age ⁵		
Children in USIIS born after 07/2/1998		
Total	92,398	
	Total	Percent
≥1 dose Influenza in lifetime	61,802	66.9%
≥1 dose Influenza last flu season*	23,107	25.0%

*Last flu season between 7/1/16 and 6/30/17. ^Total also includes individuals with an unknown gender in USIIS.

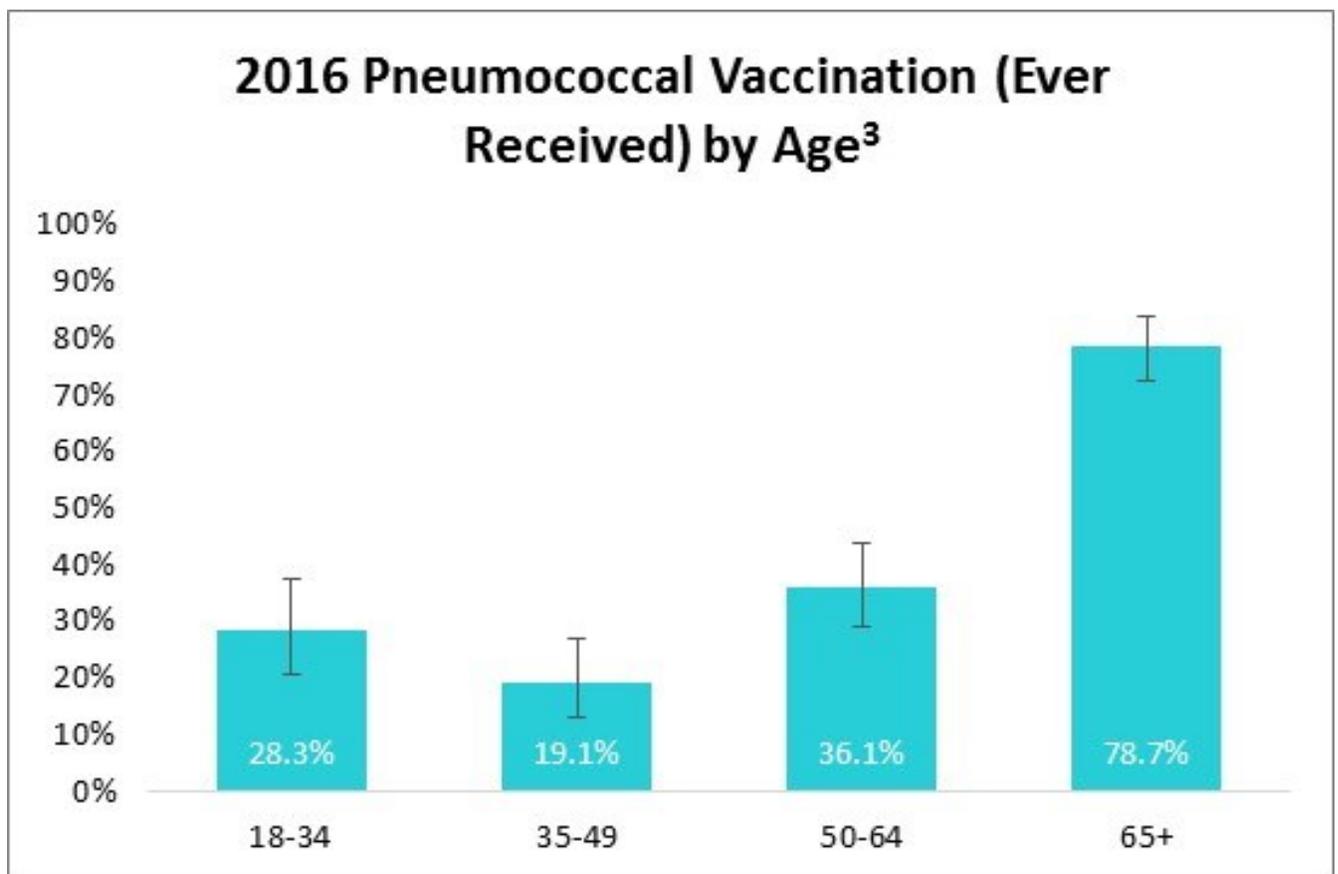
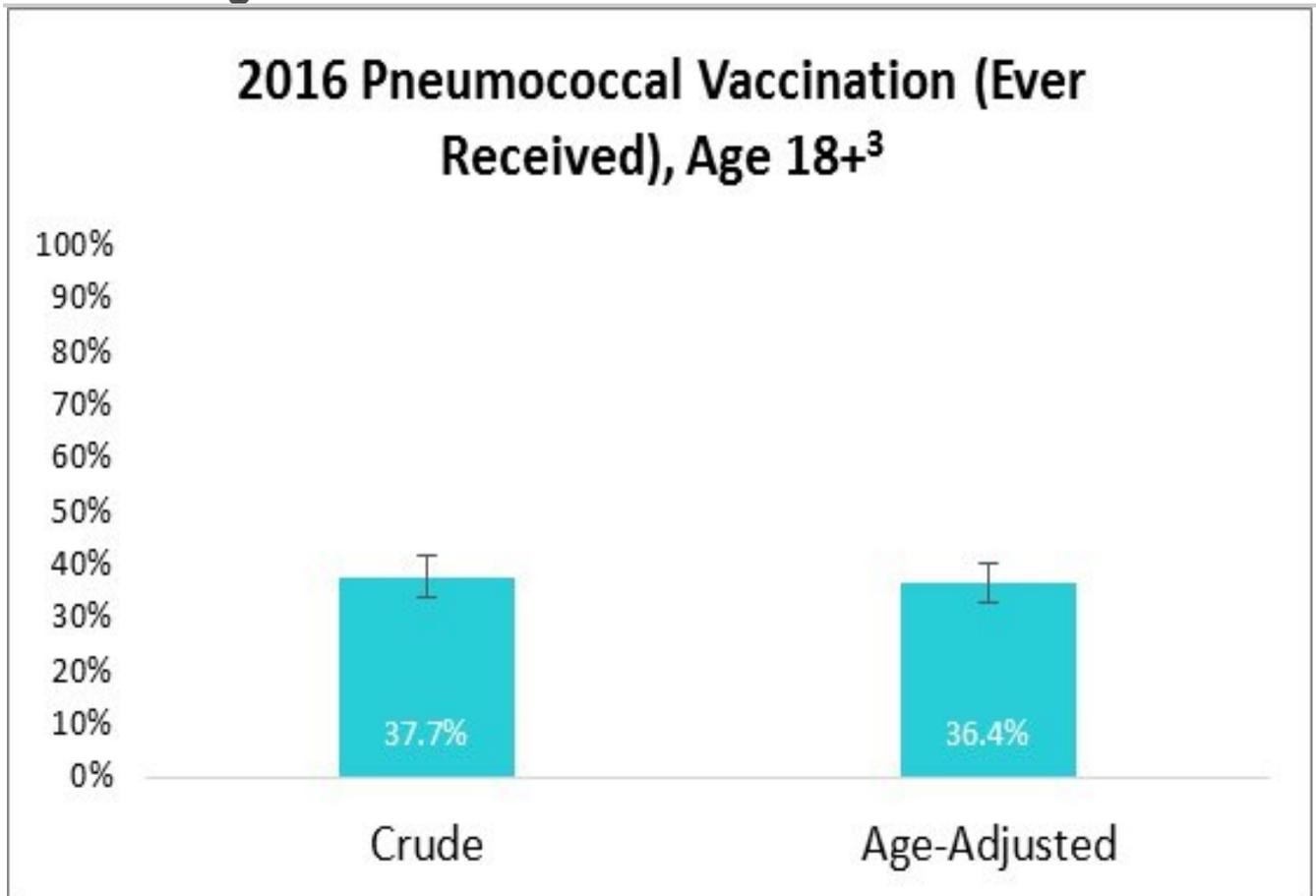
Adequately Immunized by School District 2016 ²						
	Morgan		Ogden		Weber	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
Kindergarten School Entry	83.2%	14.6%	86.3%	2.8%	93.2%	2.7%
Second-Dose Measles (K-12)	96.9%	3.1%	97.5%	1.5%	97.7%	2.1%
7th Grade Entry	95.7%	4.3%	89.8%	2.4%	94.8%	2.8%

Immunized for Child Care 2016 ²		
	Adequately Immunized	Total Exemptions
Licensed Child Care Facilities	93.9%	2.1%
Head Start Centers	94.1%	1.8%

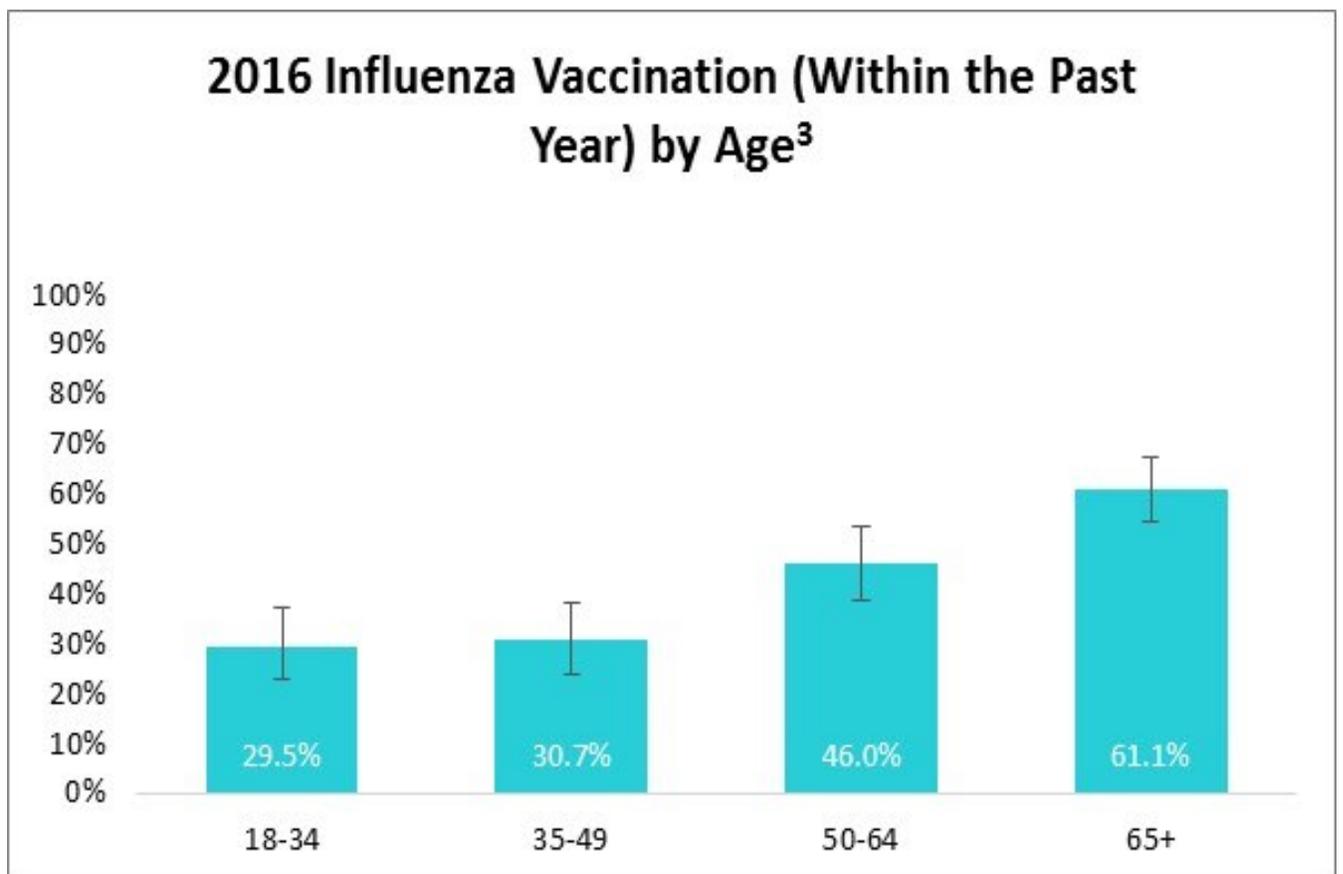
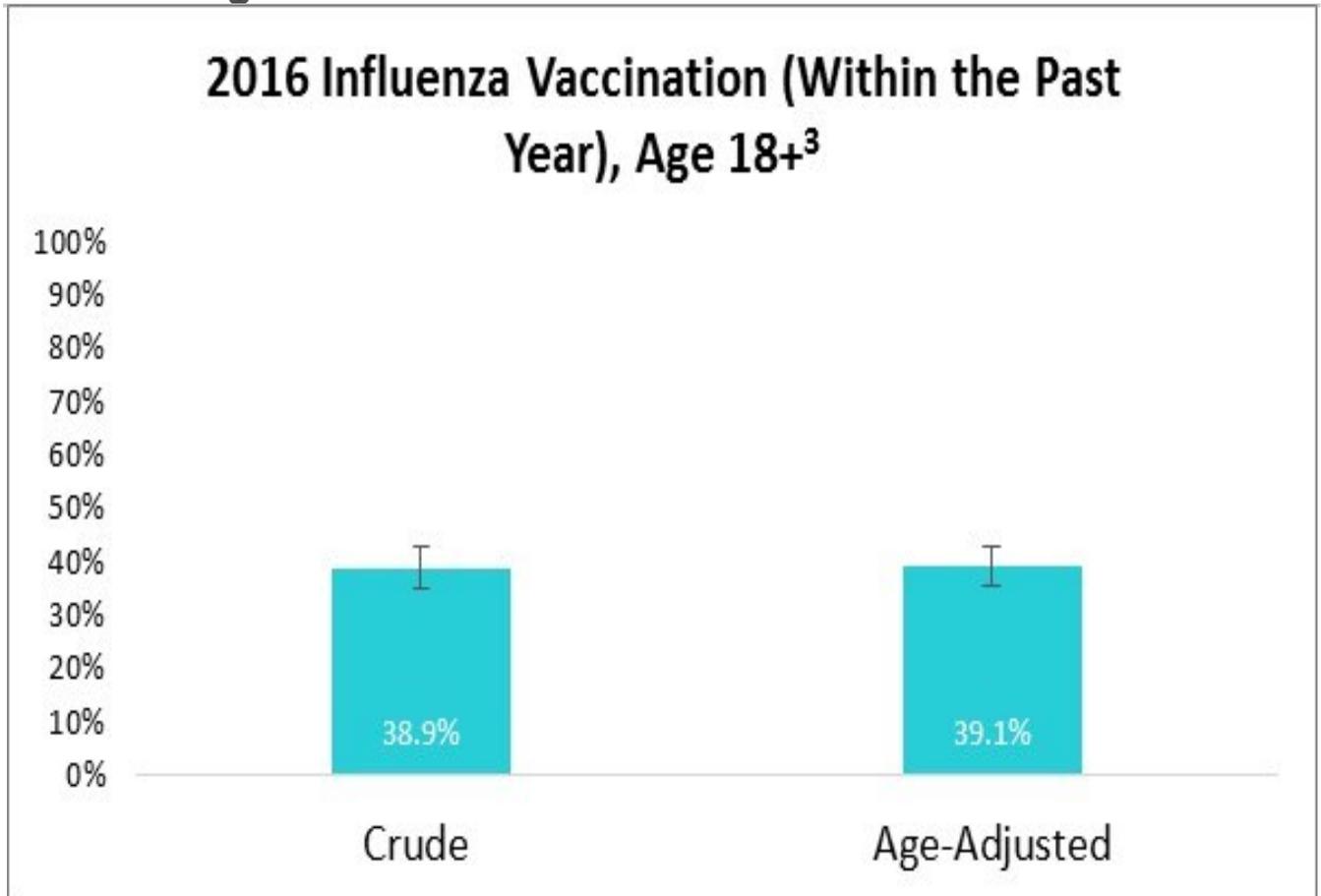


≥19 Years of Age⁵		
Adults in USIIS born on or before 07/1/1998		
Total	181,165	
	Total	Percent
≥1 dose Influenza last season*	42,761	23.6%
≥1 dose influenza in lifetime	103,268	57.0%
≥1 TDaP	80,301	44.3%
≥1 Varicella	15,508	8.6%
≥1 HPV	11,021	6.1%
≥1 Zoster	14,218	7.8%
≥1 MMR	53,689	29.6%
≥1 PCV13	18,788	10.4%
≥1PPSV23	22,151	12.2%
≥1 Hep A	44,519	24.6%
≥1 Hep B	59,490	32.8%
≥1 Meningococcal	19,524	10.8%
≥1 HIB	27,237	15.0%

*Last flu season between 07/01/2016 and 6/30/2017



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.



Source: BRFSS, Utah, 2016. Crude and Age-adjusted Rates.

Appendix A: AFIX (Assessment, Feedback, Incentive, eXchange)

The Utah Immunization Program (UIP) provides quality feedback to providers regarding its yearly immunization rate assessments through a program called AFIX (Assessment, Feedback, Incentive, eXchange).

Our goal for 2017 has been to focus on high volume providers as well as providers who have not previously received an AFIX visit. HPV education has been a focus in most clinics with all offices receiving an HPV Informational packet and parent educational tear off sheets. Provider Relations staff review in detail the clinic rates, including HPV rates. Providers are given suggestions on how to improve and ultimately decide what measures they feel their clinic would reasonably be able to implement.

As of October 5th, 2017, 85 AFIX visits were conducted. Visits included an in-depth feedback session along with a questionnaire which guides providers in making decisions on proven quality improvement strategies. Feedback sessions provide an opportunity for office staff to discuss strategies for improving immunization coverage rates with UIP staff. UIP staff is available to provide suggestions and data, but ultimately, each clinic must decide which activities are appropriate to increase the vaccination coverage levels in their clinic.

According to the questionnaire data:

Top childhood strategies not currently being implemented:

- Inactivating patients in the IIS who are no longer seen by the practice
- Reminder recall system for pediatric patients
- Routinely measuring clinic immunization coverage levels and sharing results with staff

Top childhood strategies selected for implementation:

- Inactivating patients in the IIS who are no longer active patients
- Implementing some sort of reminder recall for pediatric patients (some specific to the DTaP 4)
- Using the IIS forecast to determine immunizations at every visit

Top adolescent strategies not currently being implemented:

- Inactivating adolescents in the IIS who are no longer seen by the practice
- Reminder recall system for adolescents (including a reminder system specifically for HPV doses 2 and 3)
- System in place to schedule wellness visits for patients at 11-12 years of age

Top adolescent strategies selected for implementation:

- Inactivating patients in the IIS who are no longer seen by the practice
- Reminder recall system in place for adolescents
- Put in place a system to actively schedule 11-12 year old wellness visits

Follow-up will take place within six months of the visit. Rates are re-run and compared with initial visit at the follow up visit. If there has been incomplete implementation of goals, a subsequent follow up will take place within an appropriately scheduled time.

IMMUNIZATION REPORT FOR LONG-TERM CARE FACILITIES

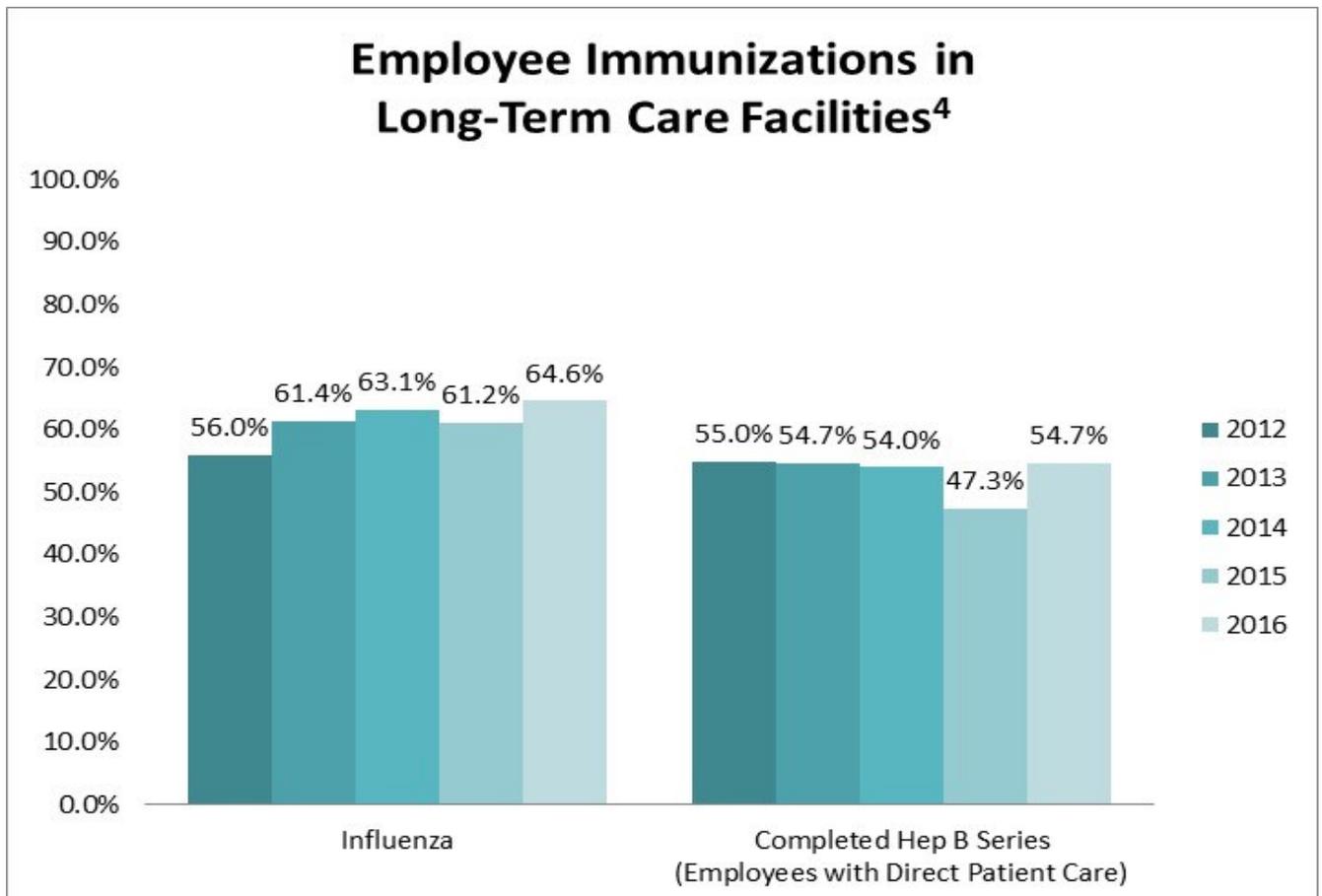
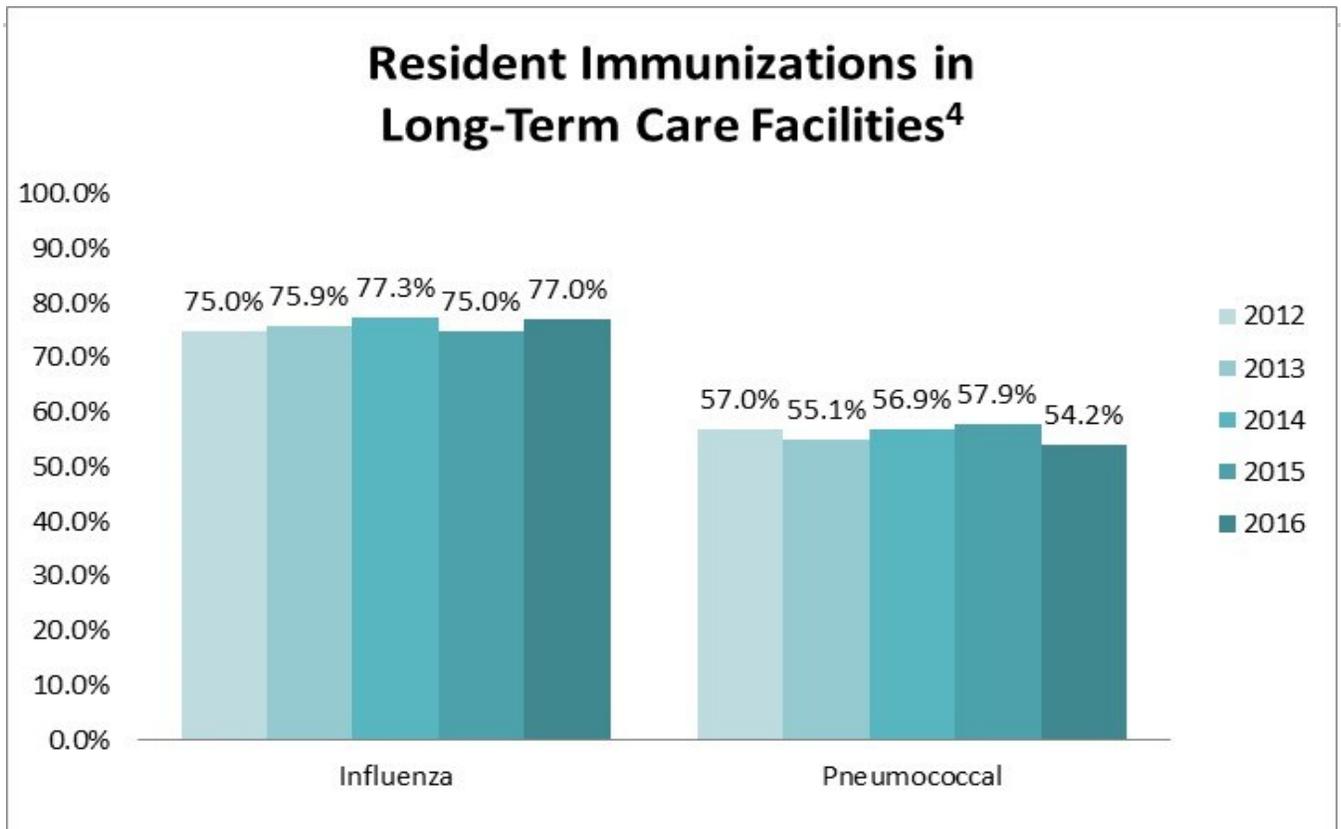
Long-term care facilities are required to report the influenza and pneumococcal immunization status of patients and the influenza and hepatitis B immunization status of employees to the Utah Immunization Program. Completion of the annual report is necessary to prevent sanctioning of a facility’s license.

The report includes persons who are residents or employees of a facility between October 1 and December 31 of the survey year. The survey is completed online no later than January 31 of the following year. Facilities reporting include hospitals (swing beds and transitional care beds), nursing care facilities, small healthcare facilities, and type I and type II assisted living facilities. All 342 of the care facilities now operating reported for 2016.

The portion of the survey reported here is as follows:

- *Influenza (flu) immunizations*: given during the reporting time period for residents and employees;
- *Pneumococcal immunizations*: given at any time for residents only; and
- *Hepatitis B immunizations*: given at any time to an employee having direct patient contact.

State of Utah: 342 Facilities			
Residents and Employees Immunized in Long-term Care Facilities			
Residents	Total	Flu	Pneumococcal
	17,761	77.0%	54.2%
All Employees	Total	Flu	Hepatitis B
	20,935	64.6%	N/A
Employees with Direct Patient Care	16,231	N/A	54.7%



Bear River: 19 Facilities			
Residents	Number	Flu	Pneumococcal
	860	82.3%	64.9%
All Employees	Number	Flu	Hepatitis B
	1,104	56.3%	N/A
Employees with Direct Patient Care	906	N/A	45.7%

Central: 21 Facilities			
Residents	Number	Flu	Pneumococcal
	525	84.6%	73.9%
All Employees	Number	Flu	Hepatitis B
	1,257	88.5%	N/A
Employees with Direct Patient Care	930	N/A	86.0%

Davis County: 31 Facilities			
Residents	Number	Flu	Pneumococcal
	2,101	79.0%	51.0%
All Employees	Number	Flu	Hepatitis B
	2,230	73.2%	N/A
Employees with Direct Patient Care	1,795	N/A	47.4%

Salt Lake County: 100 Facilities			
Residents	Number	Flu	Pneumococcal
	6,357	74.9%	53.3%
All Employees	Number	Flu	Hepatitis B
	6,036	57.5%	N/A
Employees with Direct Patient Care	4,638	N/A	42.9%

San Juan: 0 Facilities			
Residents	Number	Flu	Pneumococcal
	N/A	N/A	N/A
All Employees	Number	Flu	Hepatitis B
	N/A	N/A	N/A
Employees with Direct Patient Care	N/A	N/A	N/A

Southeast: 9 Facilities			
Residents	Number	Flu	Pneumococcal
	323	77.1%	49.5%
All Employees	Number	Flu	Hepatitis B
	880	87.4%	N/A
Employees with Direct Patient Care	629	N/A	74.1%

Southwest: 42 Facilities			
Residents	Number	Flu	Pneumococcal
	1,861	73.1%	46.7%
All Employees	Number	Flu	Hepatitis B
	2,263	62.3%	N/A
Employees with Direct Patient Care	1,649	N/A	54.2%

Summit County: 2 Facilities			
Residents	Number	Flu	Pneumococcal
	55	90.9%	52.7%
All Employees	Number	Flu	Hepatitis B
	35	60.0%	N/A
Employees with Direct Patient Care	33	N/A	36.4%

Tooele County: 4 Facilities			
Residents	Number	Flu	Pneumococcal
	229	82.1%	65.9%
All Employees	Number	Flu	Hepatitis B
	581	70.1%	N/A
Employees with Direct Patient Care	374	N/A	73.3%

TriCounty: 7 Facilities			
Residents	Number	Flu	Pneumococcal
	258	77.1%	59.7%
All Employees	Number	Flu	Hepatitis B
	509	76.8%	N/A
Employees with Direct Patient Care	422	N/A	84.1%

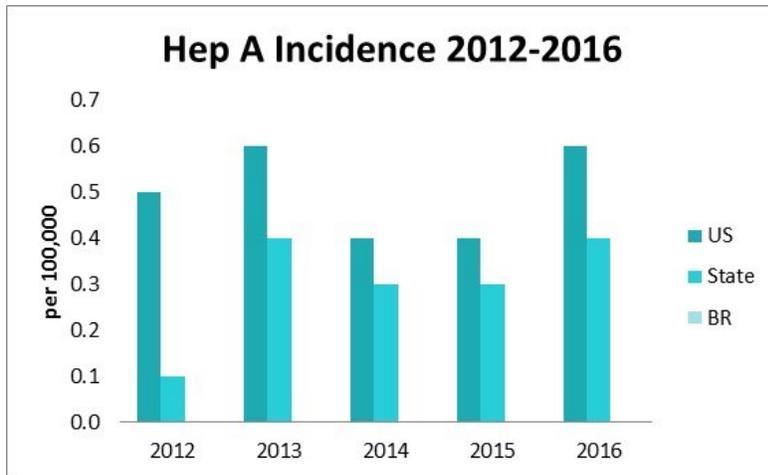
Utah County: 75 Facilities			
Residents	Number	Flu	Pneumococcal
	3,350	76.4%	57.3%
All Employees	Number	Flu	Hepatitis B
	3,993	59.6%	N/A
Employees with Direct Patient Care	3,371	N/A	59.1%

Wasatch County: 4 Facilities			
Residents	Number	Flu	Pneumococcal
	152	69.1%	50.7%
All Employees	Number	Flu	Hepatitis B
	280	82.9%	N/A
Employees with Direct Patient Care	243	N/A	91.4%

Weber-Morgan: 28 Facilities			
Residents	Number	Flu	Pneumococcal
	1,690	82.2%	51.2%
All Employees	Number	Flu	Hepatitis B
	1,767	60.7%	N/A
Employees with Direct Patient Care	1,241	N/A	48.8%

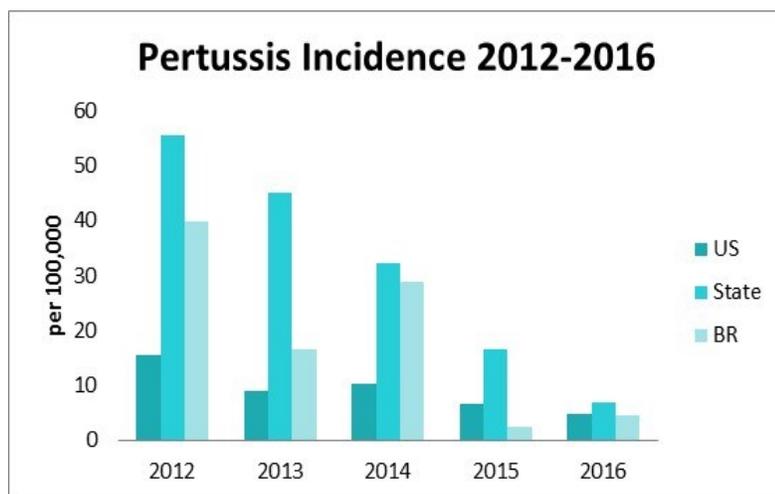
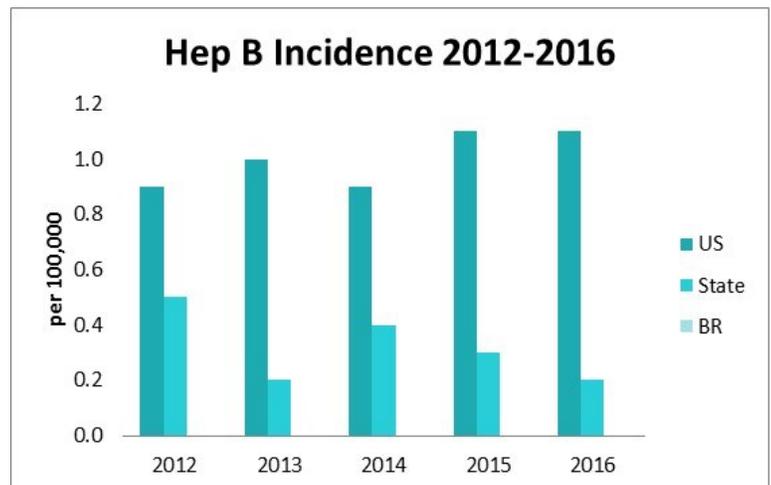
Bear River

Hepatitis A, hepatitis B, and pertussis are preventable through immunization. Trends in vaccine-preventable diseases are tracked with the intent that the data can be helpful in developing collaborative immunization campaign efforts. The following data were provided by the Bureau of Epidemiology, Utah Department of Health, for statewide and local health districts. National data were obtained from the CDC. The 2016 U.S. rates were estimated from CDC provisional data. U.S. data from 2016 should be viewed as only an estimate.



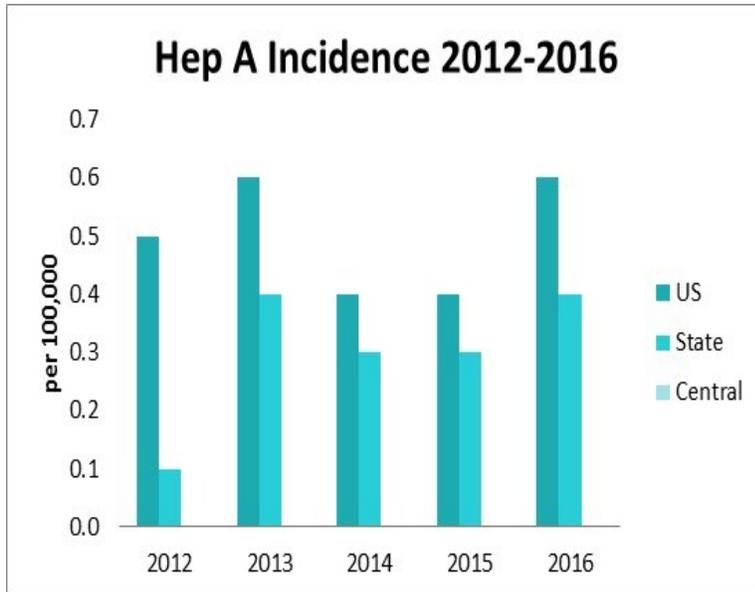
Hepatitis A			
Year	U.S.	Utah	BR
2012	0.5	0.1	0.0
2013	0.6	0.4	0.0
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

Hepatitis B			
Year	U.S.	Utah	BR
2012	0.9	0.5	0.0
2013	1.0	0.2	0.0
2014	0.9	0.4	0.0
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



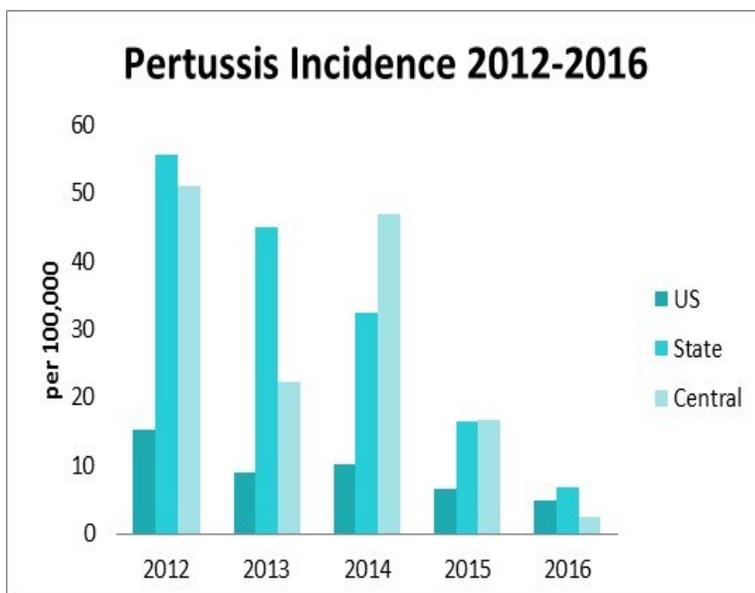
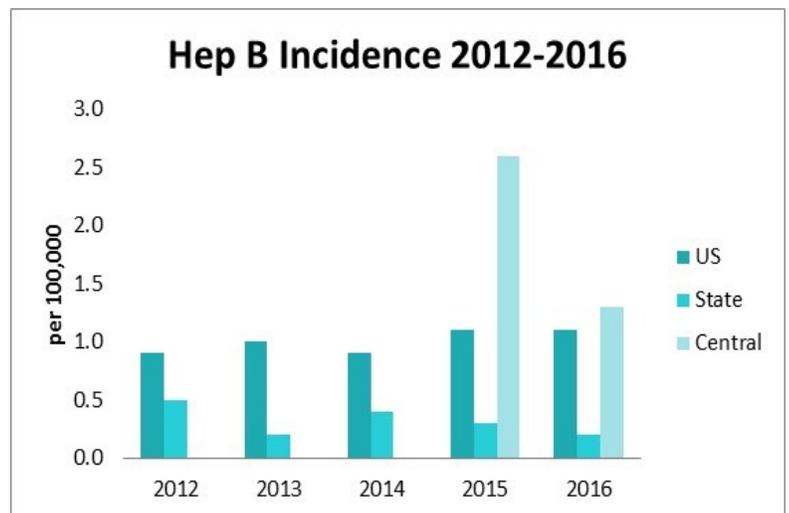
Pertussis			
Year	U.S.	Utah	BR
2012	15.4	55.7	39.8
2013	9.1	45.1	16.5
2014	10.3	32.4	29.0
2015	6.5	16.6	2.3
2016	4.9	6.9	4.5

Central



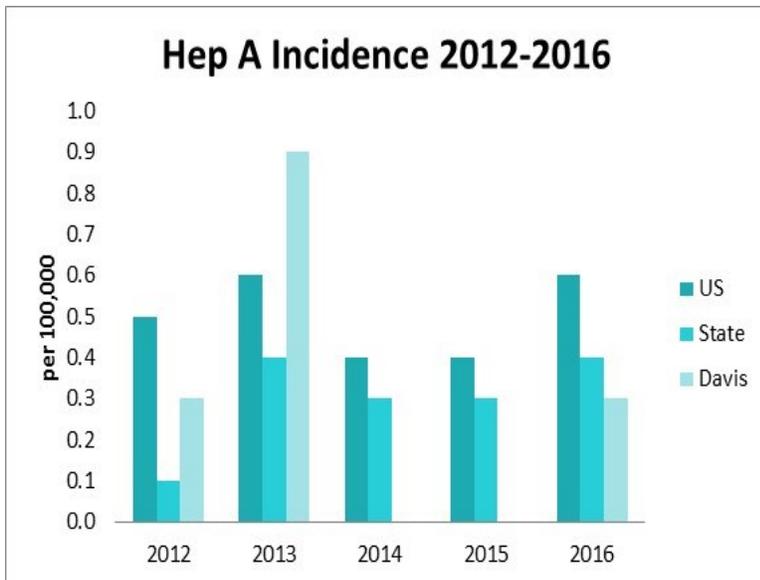
Hepatitis A			
Year	U.S.	Utah	Central
2012	0.5	0.1	0.0
2013	0.6	0.4	0.0
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

Hepatitis B			
Year	U.S.	Utah	Central
2012	0.9	0.5	0.0
2013	1.0	0.2	0.0
2014	0.9	0.4	0.0
2015	1.1	0.3	2.6
2016	1.1	0.2	1.3



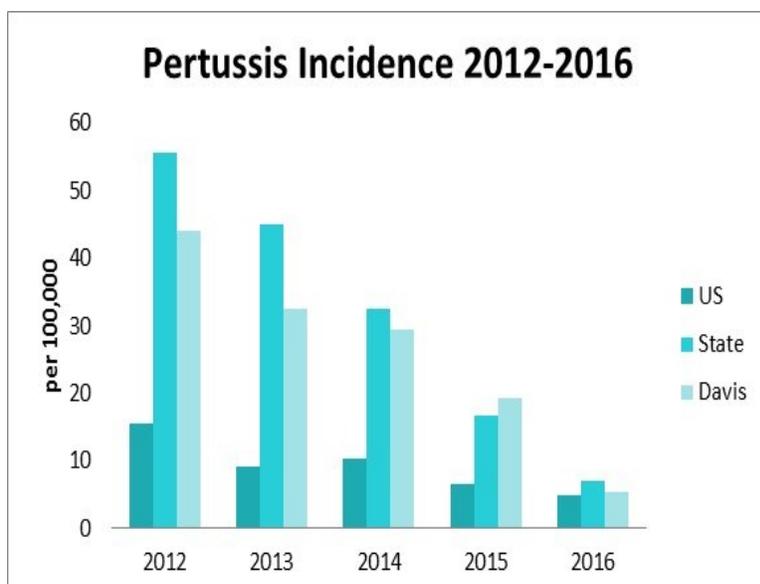
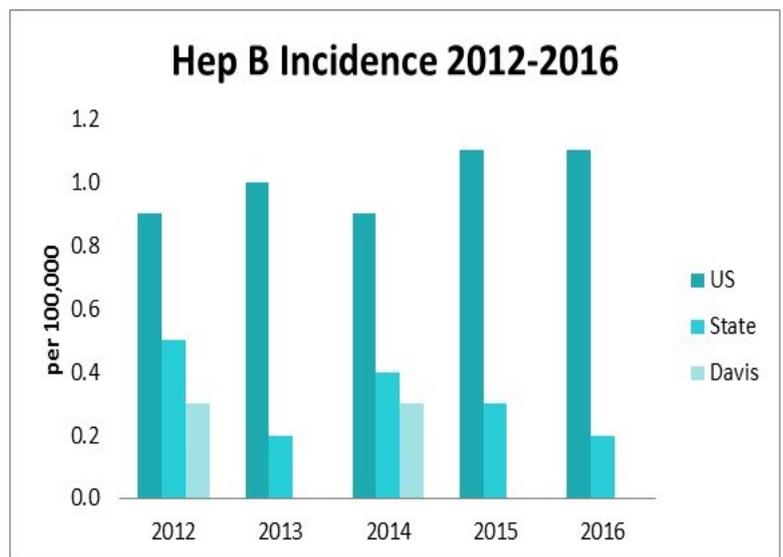
Pertussis			
Year	U.S.	Utah	Central
2012	15.4	55.7	51.0
2013	9.1	45.1	22.3
2014	10.3	32.4	47.0
2015	6.5	16.6	16.8
2016	4.9	6.9	2.5

Davis County



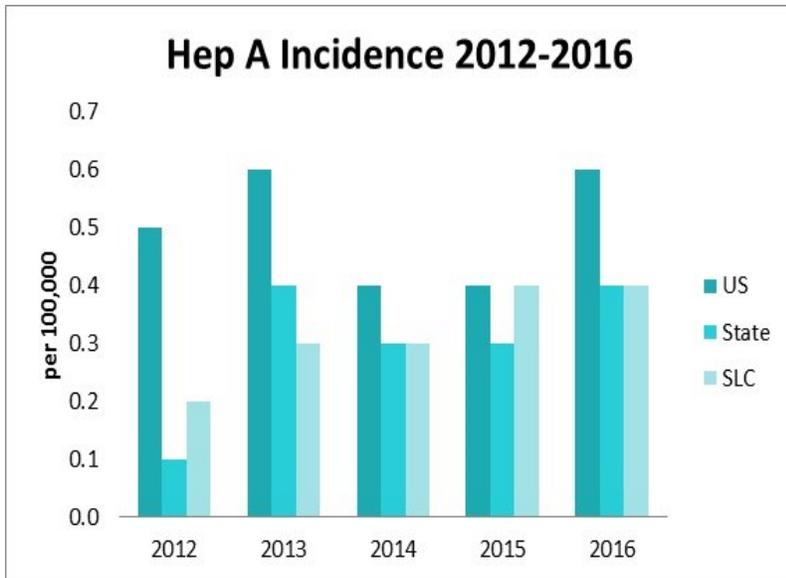
Hepatitis A			
Year	U.S.	Utah	Davis
2012	0.5	0.1	0.3
2013	0.6	0.4	0.9
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	0.3

Hepatitis B			
Year	U.S.	Utah	Davis
2012	0.9	0.5	0.3
2013	1.0	0.2	0.0
2014	0.9	0.4	0.3
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



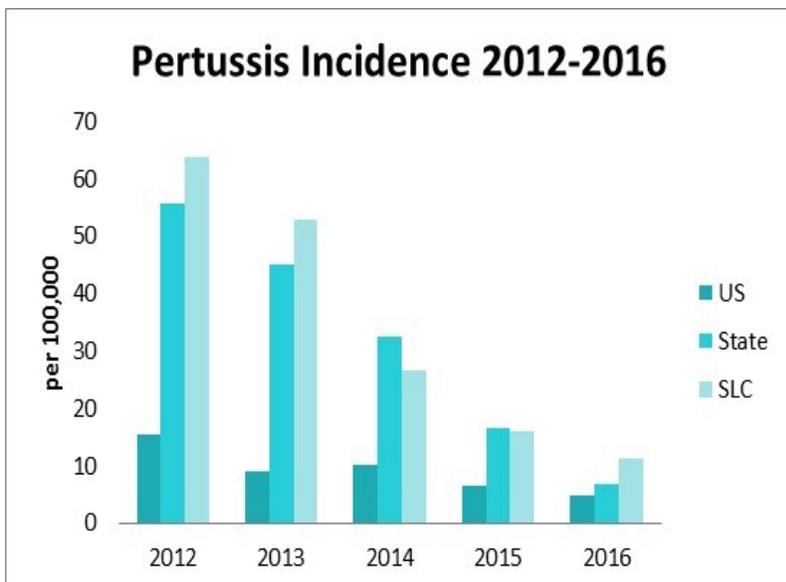
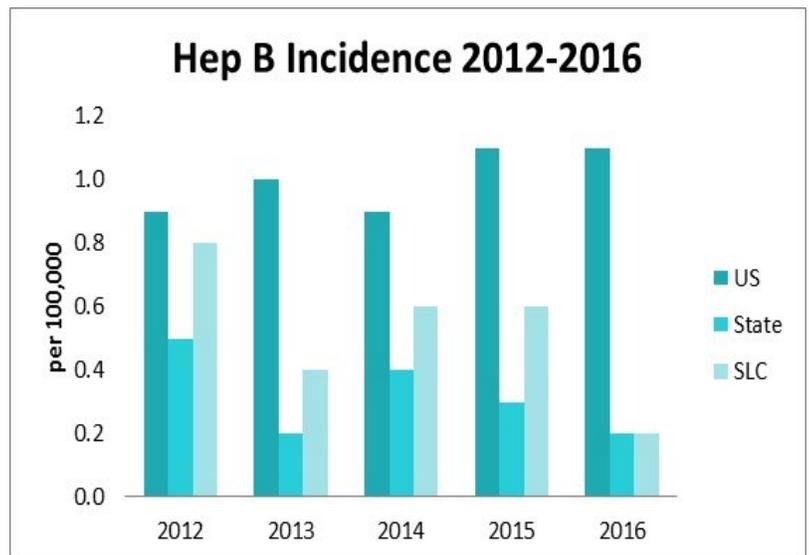
Pertussis			
Year	U.S.	Utah	Davis
2012	15.4	55.7	44.0
2013	9.1	45.1	32.6
2014	10.3	32.4	29.4
2015	6.5	16.6	19.3
2016	4.9	6.9	5.3

Salt Lake County



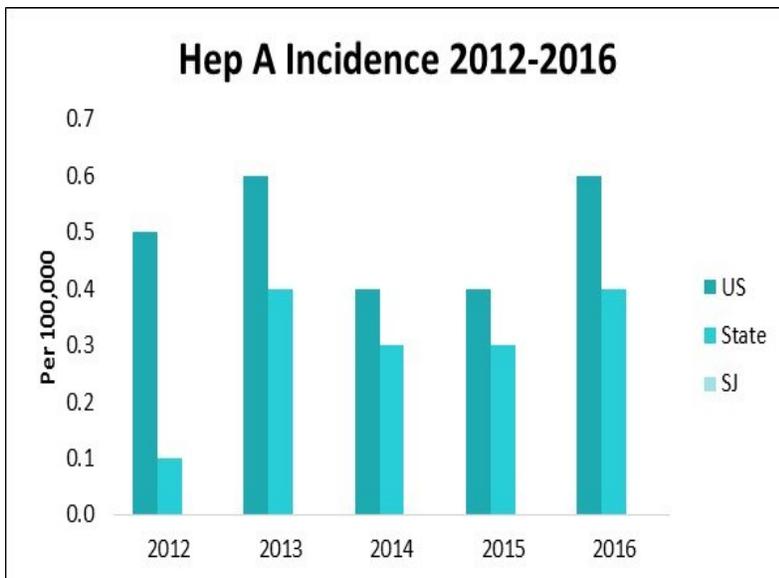
Hepatitis A			
Year	U.S.	Utah	SLC
2012	0.5	0.1	0.2
2013	0.6	0.4	0.3
2014	0.4	0.3	0.3
2015	0.4	0.3	0.4
2016	0.6	0.4	0.4

Hepatitis B			
Year	U.S.	Utah	SLC
2012	0.9	0.5	0.8
2013	1.0	0.2	0.4
2014	0.9	0.4	0.6
2015	1.1	0.3	0.6
2016	1.1	0.2	0.2



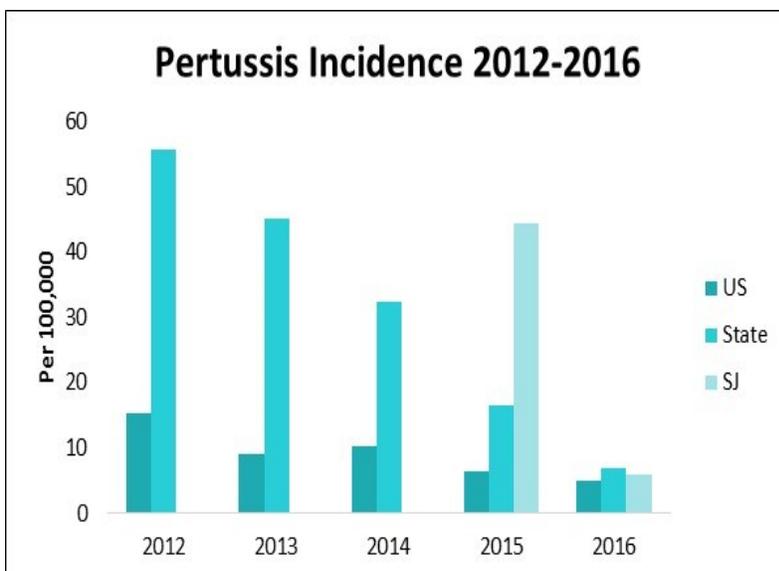
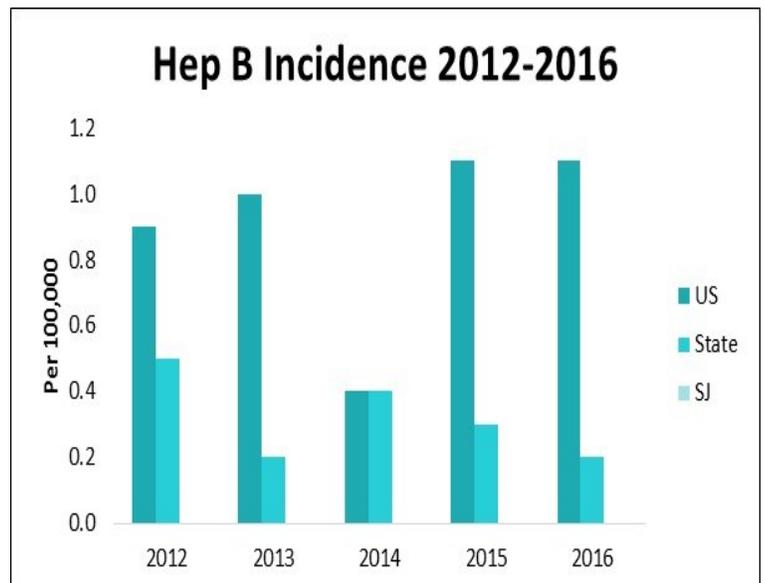
Pertussis			
Year	U.S.	Utah	SLC
2012	15.4	55.7	63.9
2013	9.1	45.1	52.9
2014	10.3	32.4	26.6
2015	6.5	16.6	16.0
2016	4.9	6.9	11.3

San Juan County



Hepatitis A			
Year	U.S.	Utah	SJ
2012	0.5	0.1	*
2013	0.6	0.4	*
2014	0.4	0.3	*
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

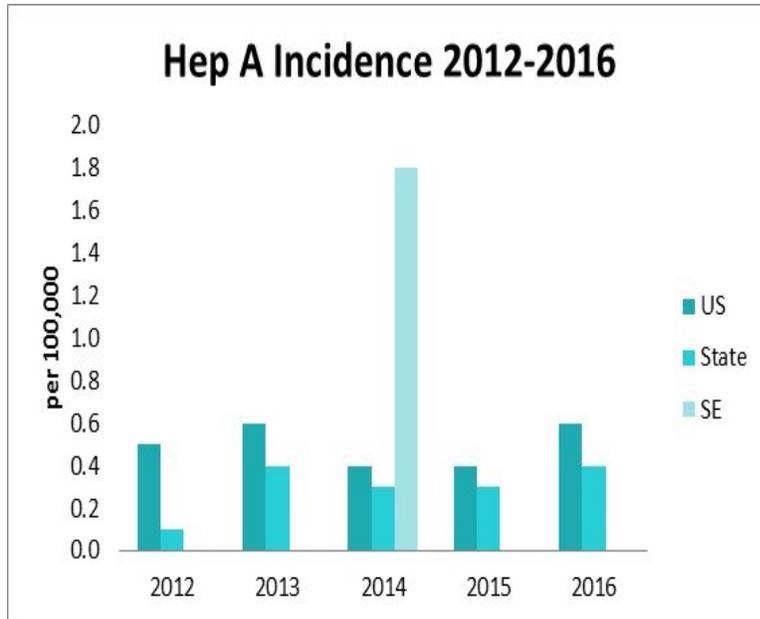
Hepatitis B			
Year	U.S.	Utah	SJ
2012	0.9	0.5	*
2013	1.0	0.2	*
2014	0.9	0.4	*
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



Pertussis			
Year	U.S.	Utah	SJ
2012	15.4	55.7	*
2013	9.1	45.1	*
2014	10.3	32.4	*
2015	6.5	16.6	44.4
2016	4.9	6.9	5.9

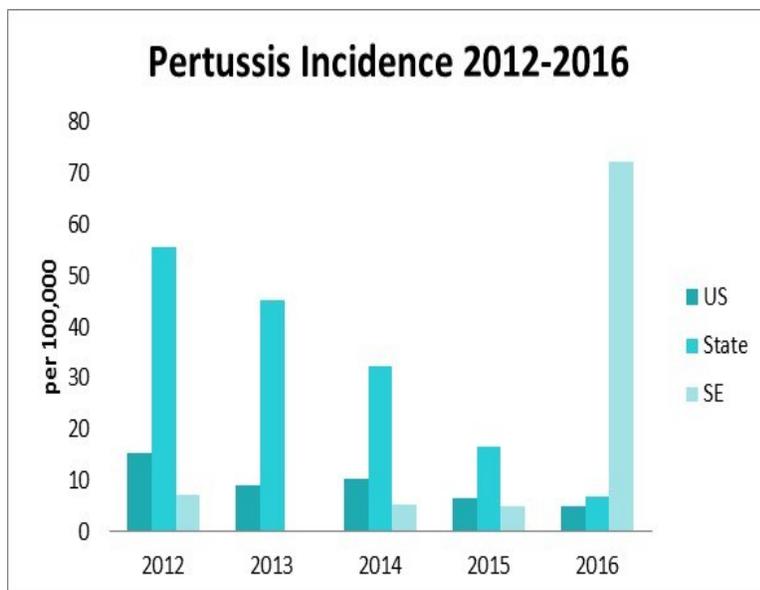
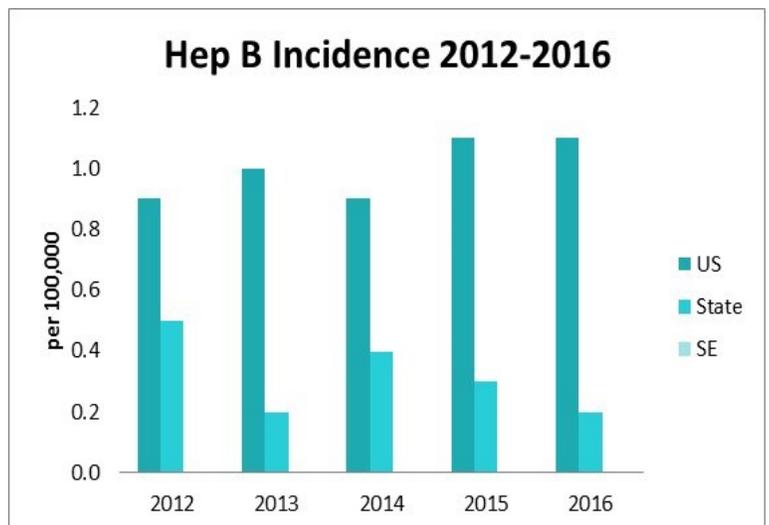
* 2012-2014 data combined with Southeast, as San Juan became their jurisdiction in 2015.

Southeast



Hepatitis A			
Year	U.S.	Utah	SE
2012	0.5	0.1	0.0*
2013	0.6	0.4	0.0*
2014	0.4	0.3	1.8*
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

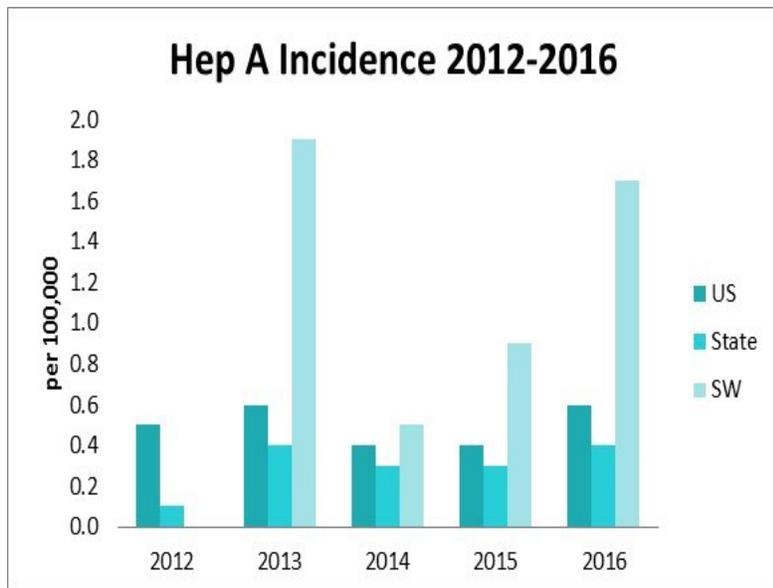
Hepatitis B			
Year	U.S.	Utah	SE
2012	0.9	0.5	0.0
2013	1.0	0.2	0.0
2014	0.9	0.4	0.0
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



Pertussis			
Year	U.S.	Utah	SE
2012	15.4	55.7	7.0
2013	9.1	45.1	0.0
2014	10.3	32.4	5.4
2015	6.5	16.6	5.0
2016	4.9	6.9	72.2

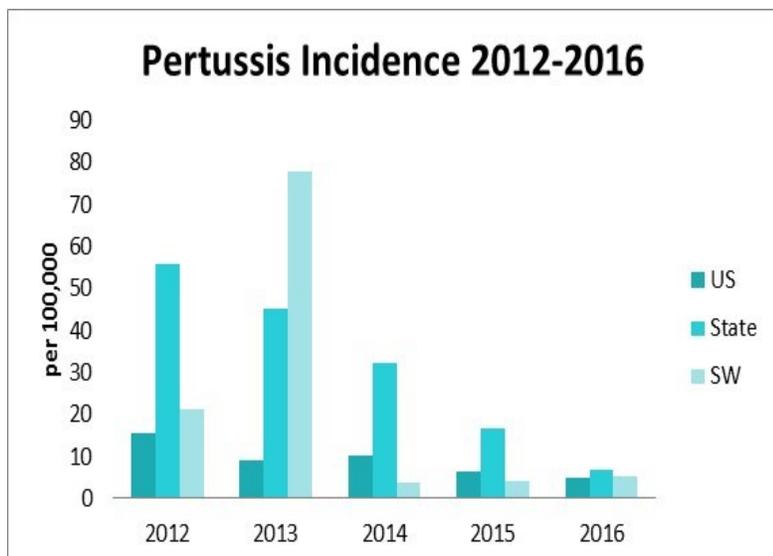
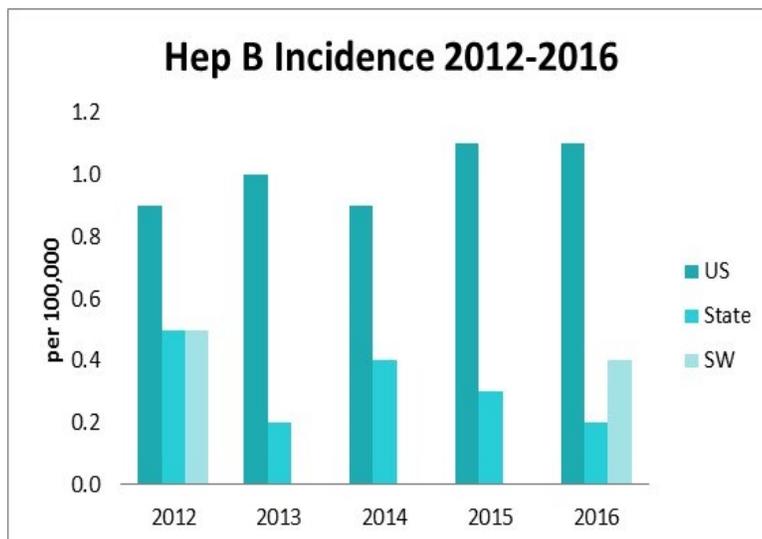
* 2012-2014 data includes data from San Juan. San Juan became their jurisdiction in 2015.

Southwest



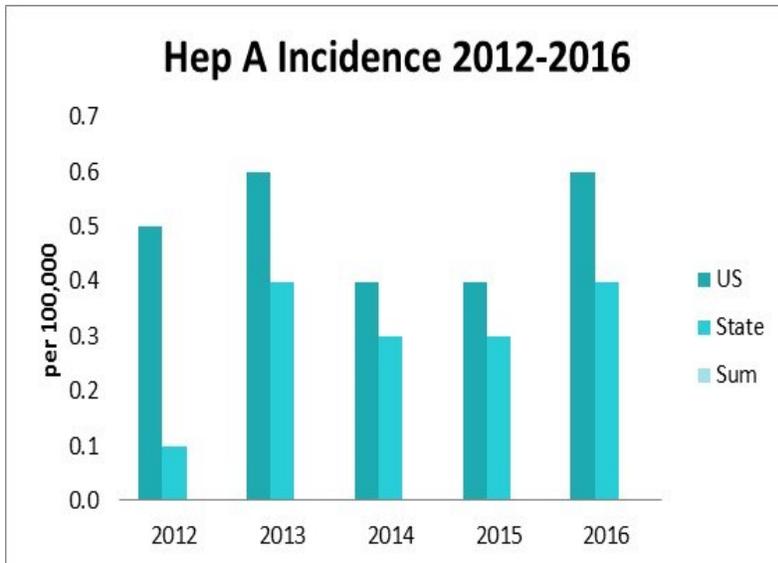
Hepatitis A			
Year	U.S.	Utah	SW
2012	0.5	0.1	0.0
2013	0.6	0.4	1.9
2014	0.4	0.3	0.5
2015	0.4	0.3	0.9
2016	0.6	0.4	1.7

Hepatitis B			
Year	U.S.	Utah	SW
2012	0.9	0.5	0.5
2013	1.0	0.2	0.0
2014	0.9	0.4	0.0
2015	1.1	0.3	0.0
2016	1.1	0.2	0.4



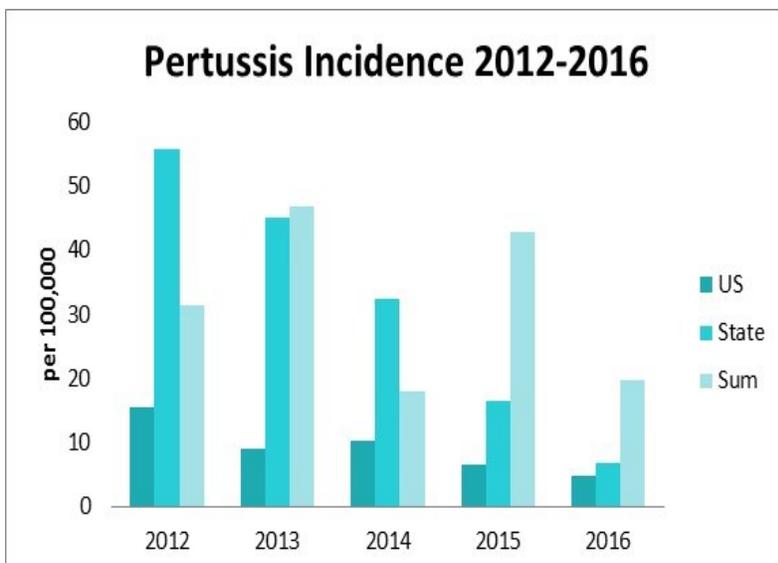
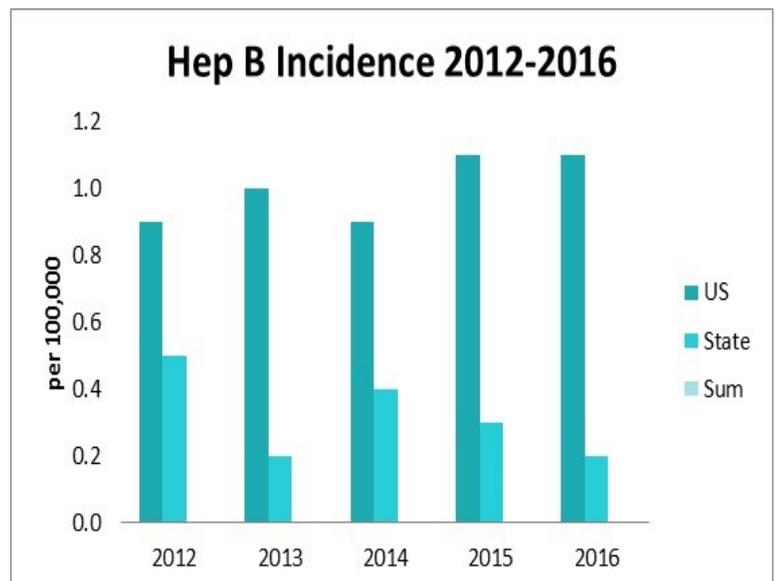
Pertussis			
Year	U.S.	Utah	SW
2012	15.4	55.7	21.3
2013	9.1	45.1	77.8
2014	10.3	32.4	3.7
2015	6.5	16.6	4.1
2016	4.9	6.9	5.2

Summit County



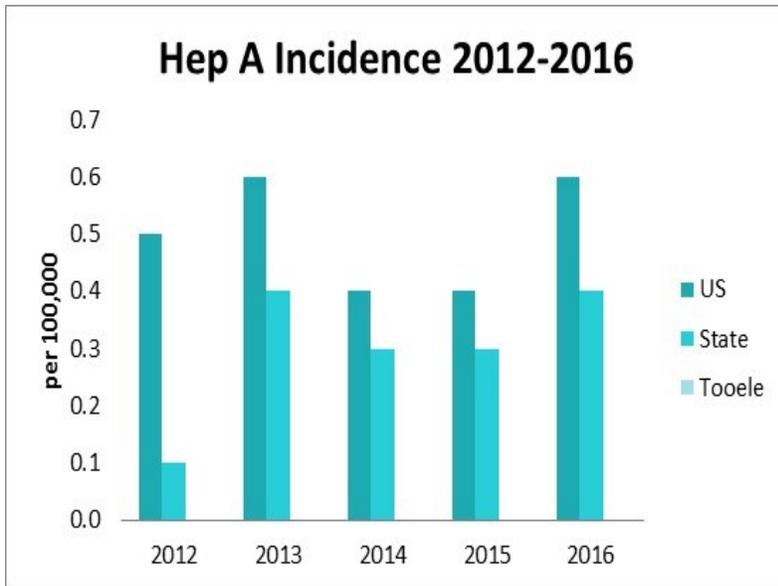
Hepatitis A			
Year	U.S.	Utah	Summit
2012	0.5	0.1	0.0
2013	0.6	0.4	0.0
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

Hepatitis B			
Year	U.S.	Utah	Summit
2012	0.9	0.5	0.0
2013	1.0	0.2	0.0
2014	0.9	0.4	0.0
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



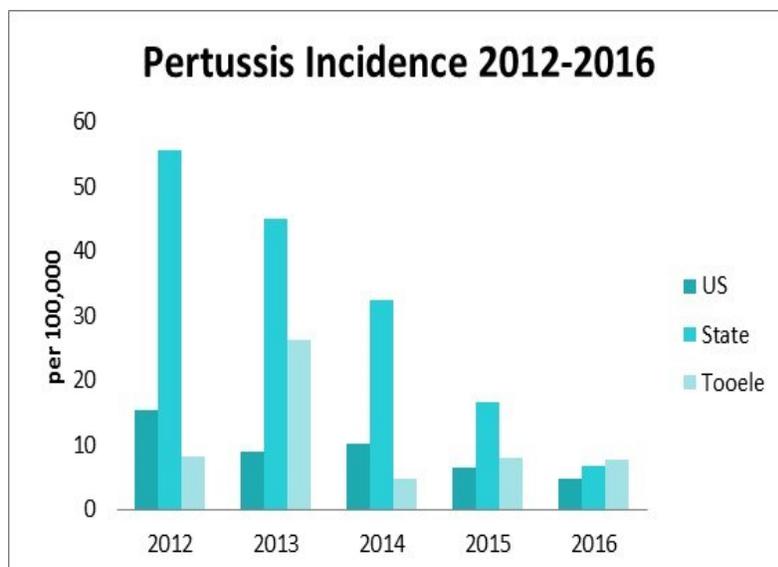
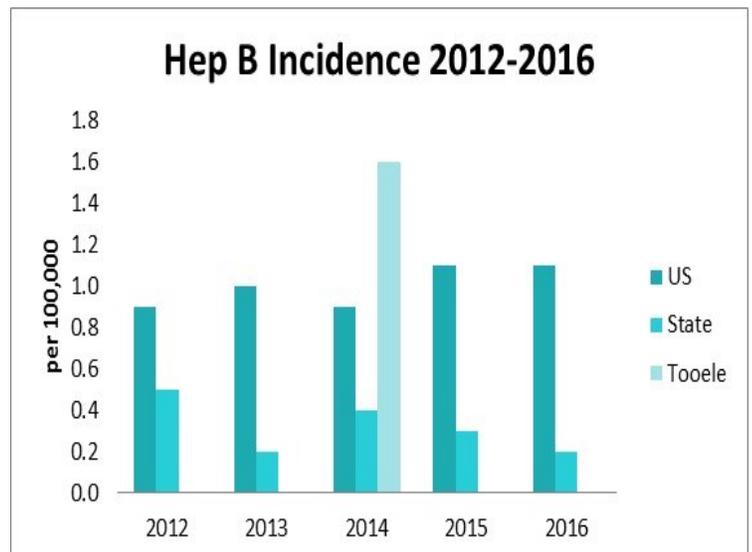
Pertussis			
Year	U.S.	Utah	Summit
2012	15.4	55.7	31.5
2013	9.1	45.1	46.8
2014	10.3	32.4	17.9
2015	6.5	16.6	42.9
2016	4.9	6.9	19.8

Tooele County



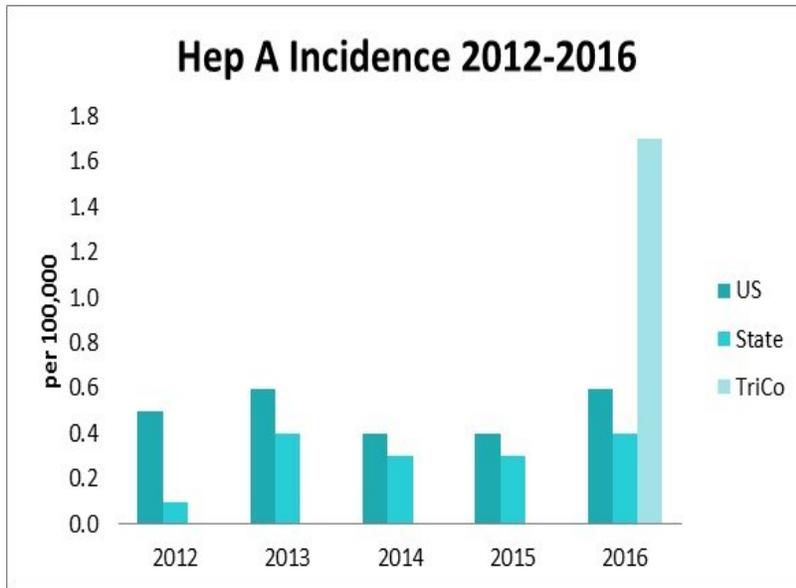
Hepatitis A			
Year	U.S.	Utah	Tooele
2012	0.5	0.1	0.0
2013	0.6	0.4	0.0
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

Hepatitis B			
Year	U.S.	Utah	Tooele
2012	0.9	0.5	0.0
2013	1.0	0.2	0.0
2014	0.9	0.4	1.6
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



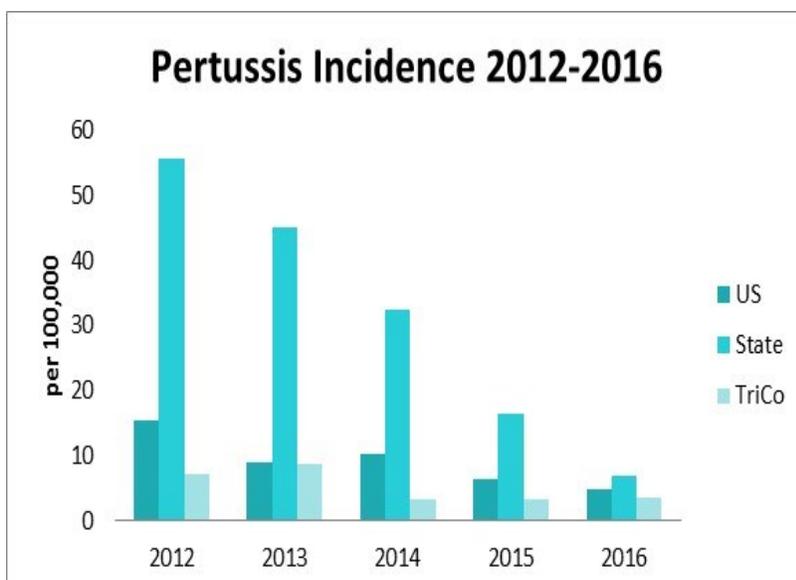
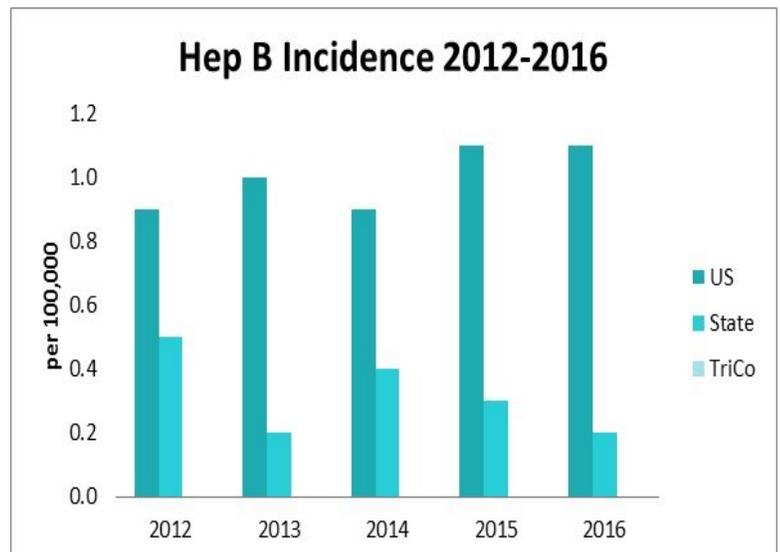
Pertussis			
Year	U.S.	Utah	Tooele
2012	15.4	55.7	8.3
2013	9.1	45.1	26.3
2014	10.3	32.4	4.9
2015	6.5	16.6	7.9
2016	4.9	6.9	7.7

TriCounty



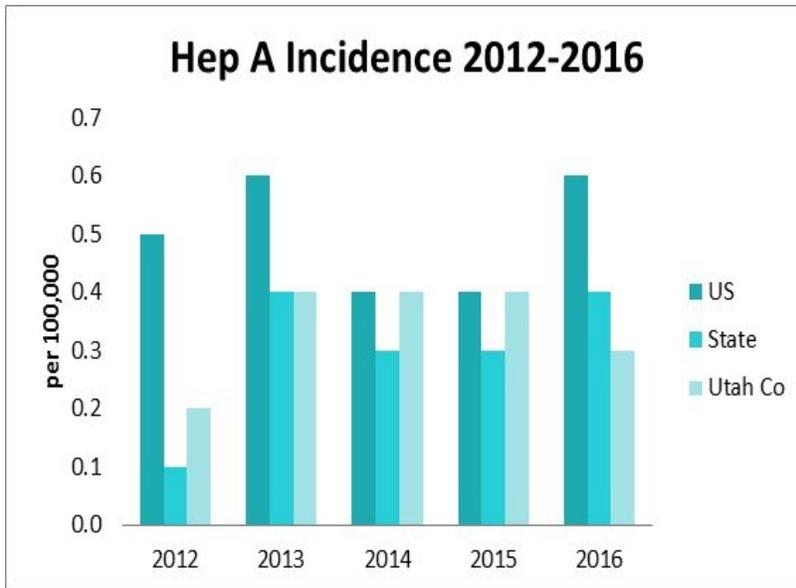
Hepatitis A			
Year	U.S.	Utah	TriCo
2012	0.5	0.1	0.0
2013	0.6	0.4	0.0
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	1.7

Hepatitis B			
Year	U.S.	Utah	TriCo
2012	0.9	0.5	0.0
2013	1.0	0.2	0.0
2014	0.9	0.4	0.0
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



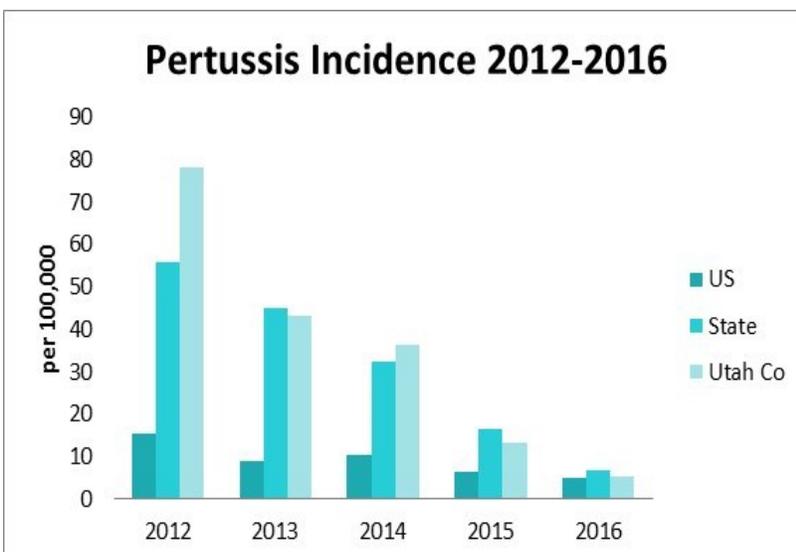
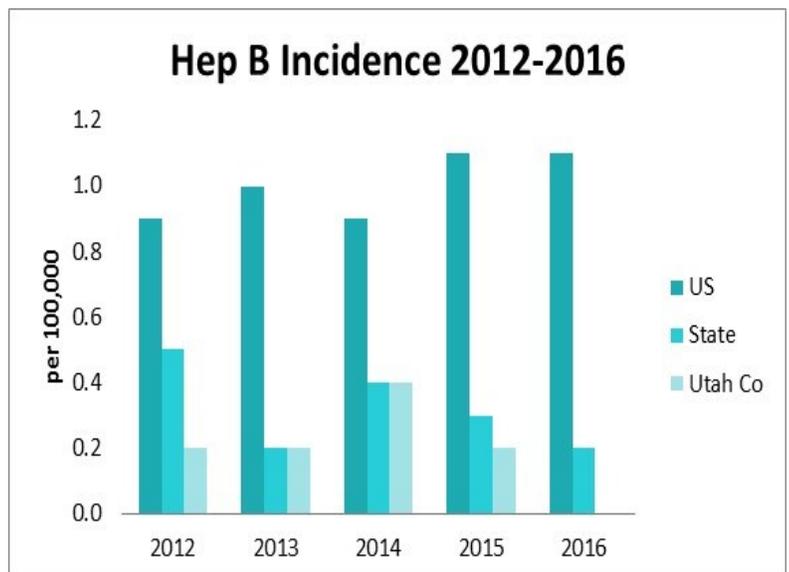
Pertussis			
Year	U.S.	Utah	TriCo
2012	15.4	55.7	7.2
2013	9.1	45.1	8.8
2014	10.3	32.4	3.4
2015	6.5	16.6	3.3
2016	4.9	6.9	3.5

Utah County



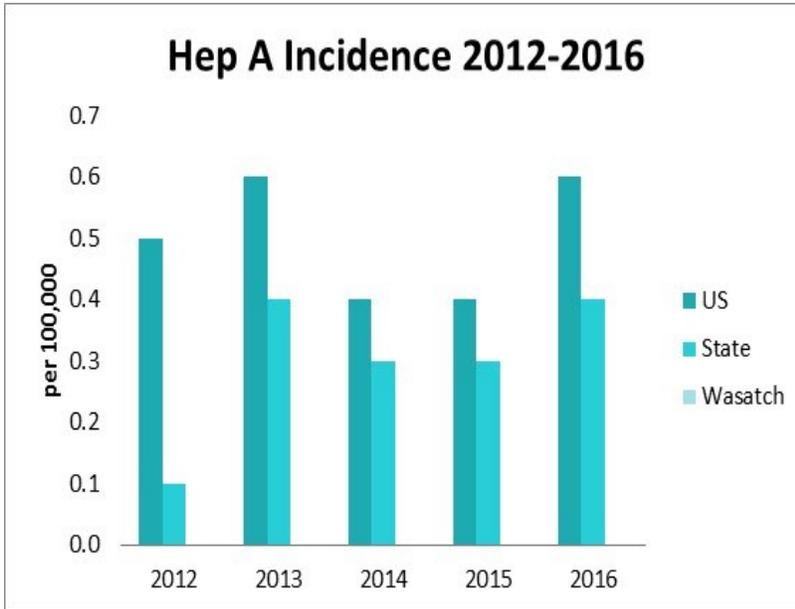
Hepatitis A			
Year	U.S.	Utah	Utah Co
2012	0.5	0.1	0.2
2013	0.6	0.4	0.4
2014	0.4	0.3	0.4
2015	0.4	0.3	0.4
2016	0.6	0.4	0.3

Hepatitis B			
Year	U.S.	Utah	Utah Co
2012	0.9	0.5	0.2
2013	1.0	0.2	0.2
2014	0.9	0.4	0.4
2015	1.1	0.3	0.2
2016	1.1	0.2	0.0



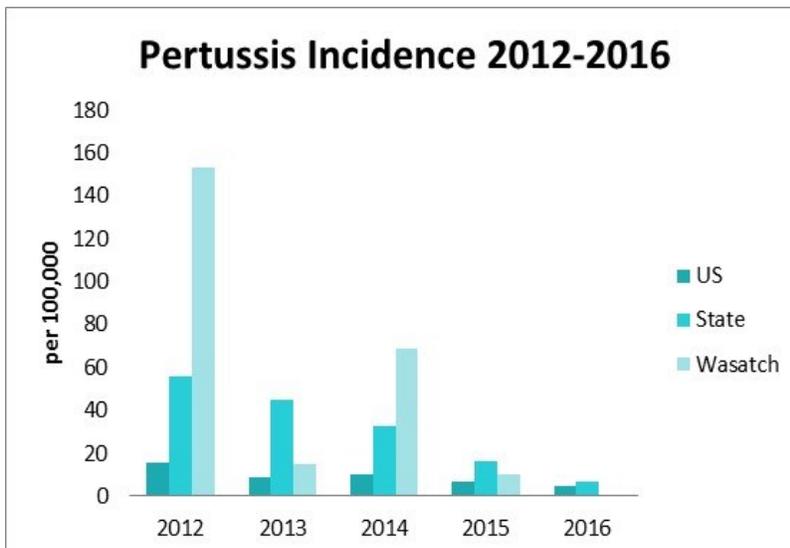
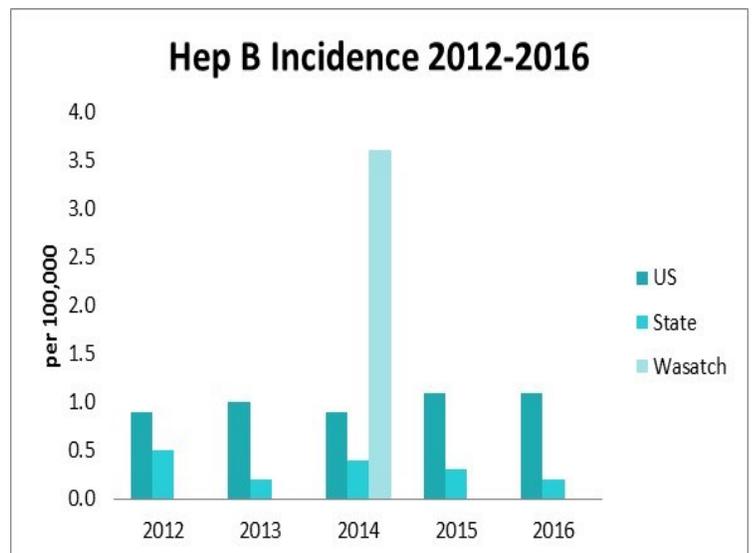
Pertussis			
Year	U.S.	Utah	Utah Co
2012	15.4	55.7	78.2
2013	9.1	45.1	43.3
2014	10.3	32.4	36.2
2015	6.5	16.6	13.4
2016	4.9	6.9	5.4

Wasatch County



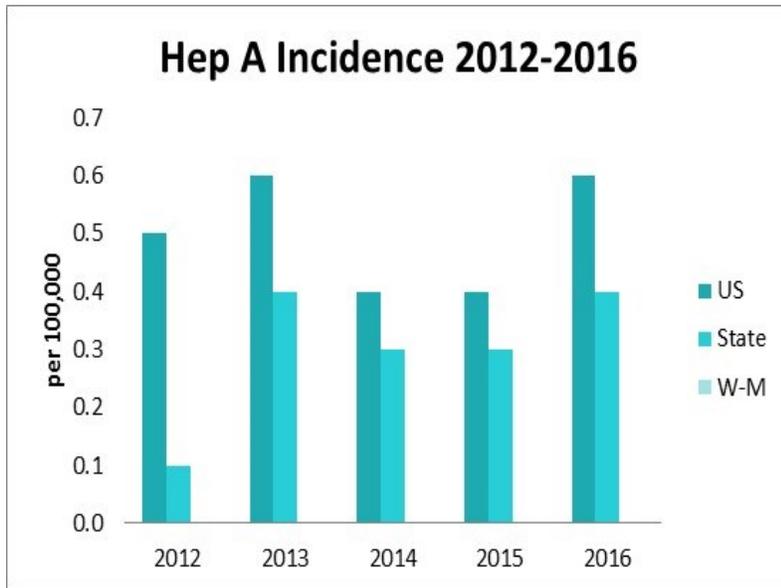
Hepatitis A			
Year	U.S.	Utah	Wasatch
2012	0.5	0.1	0.0
2013	0.6	0.4	0.0
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

Hepatitis B			
Year	U.S.	Utah	Wasatch
2012	0.9	0.5	0.0
2013	1.0	0.2	0.0
2014	0.9	0.4	3.6
2015	1.1	0.3	0.0
2016	1.1	0.2	0.0



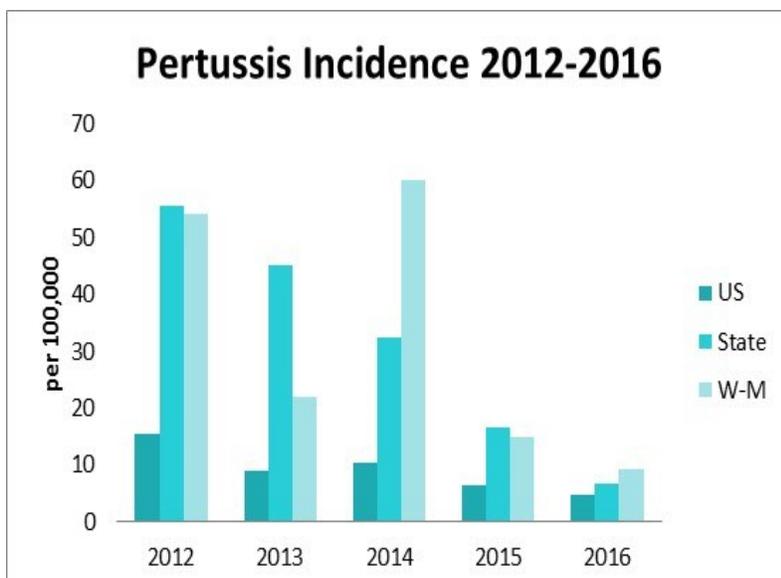
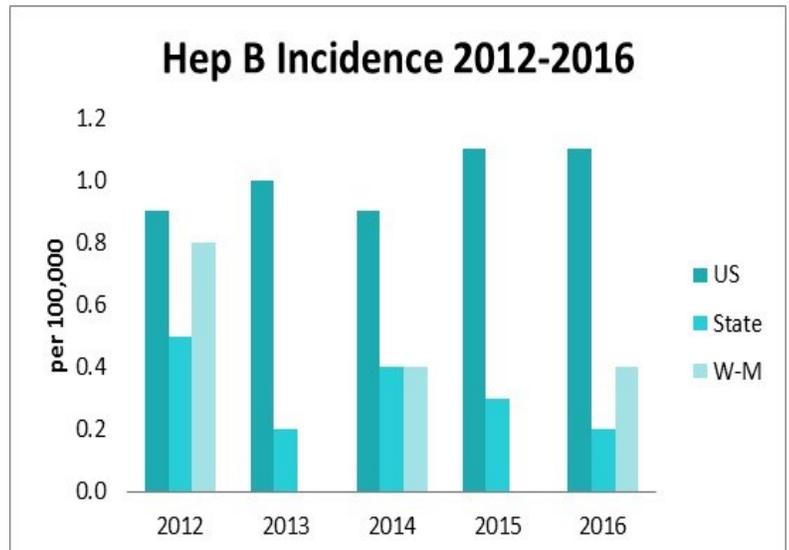
Pertussis			
Year	U.S.	Utah	Wasatch
2012	15.4	55.7	153.4
2013	9.1	45.1	15.1
2014	10.3	32.4	68.6
2015	6.5	16.6	10.3
2016	4.9	6.9	0.0

Weber-Morgan



Hepatitis A			
Year	U.S.	Utah	W-M
2012	0.5	0.1	0.0
2013	0.6	0.4	0.0
2014	0.4	0.3	0.0
2015	0.4	0.3	0.0
2016	0.6	0.4	0.0

Hepatitis B			
Year	U.S.	Utah	W-M
2012	0.9	0.5	0.8
2013	1.0	0.2	0.0
2014	0.9	0.4	0.4
2015	1.1	0.3	0.0
2016	1.1	0.2	0.4



Pertussis			
Year	U.S.	Utah	W-M
2012	15.4	55.7	54.3
2013	9.1	45.1	22.1
2014	10.3	32.4	60.1
2015	6.5	16.6	14.9
2016	4.9	6.9	9.3

The Vaccines for Children (VFC) Program helps provide vaccines to children whose parents or guardians may not be able to afford them. This helps ensure all children have a better chance of getting their recommended vaccinations on schedule. A child is eligible for the VFC Program if they are younger than 19 years of age and is one of the following:

- Medicaid-eligible
- Uninsured
- Underinsured
- American Indian or Alaska native

In the 2018 fiscal year, it was estimated that 334,992 children younger than 19 years old were eligible for VFC funded vaccines in Utah.

VFC vaccines can be administered by any enrolled VFC Program Provider. Altogether there are 44,000 providers enrolled in the VFC Program nationwide. Currently, there are 348 VFC providers in Utah.

Number of Active VFC Providers Utah, 2017	Total: 348
Private Providers	231
FQHC/RHC/CHC	51
Hospitals	9
Indian Health Service	4
Local Health Departments	37
Pharmacies	4
Other Providers	8
School District	4

According to the CDC, it is estimated that vaccination of children born between 1994 and 2013 will:

- Prevent 322 million illnesses
- Help avoid 732,000 deaths
- Save nearly \$1.4 trillion in total societal costs

Clinics enrolled in VFC are required to have a compliance visit bi-annually in which their knowledge of VFC policy and procedures are assessed. At this time, a VFC representative will also observe storage and handling techniques. Below are assessment scores for compliance visits and for

Utah General Information	2015	2016
Total # of enrolled provider facilities	365	344
# of provider facilities who enrolled in VFC	25	13
# of provider facilities who unenrolled from VFC	12	25
Compliance Visit Overview		
Annual Target (50% of Providers)	182	172
# of visits conducted	351	188
Average Overall Score	94.0%	94.3%
Average Storage and Handling Score	95.0%	93.0%
Average Non Storage and Handling Score	95.0%	95.0%
Unannounced Storage and Handling (USH) Overview		
Annual Target (5% of provider facilities)	18	17
# of visits conducted	61	105
Average USH Score	92.0%	93.0%

Compliance Scores by Facility Type	2015	2016
Private Facility	94.0%	94.0%
Public Facility	95.0%	95.0%
Compliance Scores by LHD		
	2015	2016
Bear River	91.3%	91.3%
Central	92.0%	91.8%
Davis	93.0%	92.9%
Salt Lake	92.3%	92.1%
San Juan	93.5%	93.5%
Southeast	95.7%	95.7%
Southwest	98.0%	98.1%
Summit	100%	95.7%
Tooele	91.3%	91.3%
TriCounty	95.0%	96.5%
Utah	99.0%	99.1%
Wasatch	95.7%	95.7%
Weber-Morgan	90.0%	91.0%

Below is the number of doses distributed to VFC clinics throughout Utah in 2015 and 2016.

VFC Doses Distributed 2015-2016		
	2015 Total	2016 Total
DTaP	16,570	19,610
Pediarix	27,010	27,790
Pentacel	31,225	21,265
Kinrix	11,330	10,470
IPV	9,340	11,060
Hep A	41,900	39,930
Hep B	24,810	22,200
HIB	34,440	39,470
MCV	23,535	21,161
HPV	30,310	29,040
Men B	20	2,649
MMR	19,760	16,290
MMRV	19,480	18,190
PCV	70,540	65,020
Rotavirus	45,730	42,880
Td	940	880
Tdap	19,025	16,490
Varicella	23,720	21,440
Total	449,685	425,835

1. Centers for Disease Control and Prevention (CDC). October 2017. *National Immunization Survey (NIS) 2010-2017*. Retrieved from: <https://www.cdc.gov/vaccines/vaxview/>
2. Utah Immunization Program. July 2017 *Child Care Annual Summary Report*. Utah Department of Health.
3. Behavioral Risk Factor Surveillance System (BRFSS). September 2017. Utah Department of Health, Center for Health Data and Informatics.
4. Utah Immunization Program. August 2017. *Long-Term Care Report*. Utah Department of Health.
5. Utah Statewide Immunization Information System (USIIS). January 2018. Utah Department of Health.

Immunization Program, Bureau of Epidemiology

Division of Disease Control and Prevention
Utah Department of Health
PO Box 142012
Salt Lake City, Utah 84114-2012
Phone: 801-538-9450
Fax: 801-538-9440
Website: www.immunize-utah.org

Utah Statewide Immunization Information System, Bureau of Epidemiology

Division of Disease Control and Prevention
Utah Department of Health
Helpline: 801-538-3440 / 800-678-3440
Website: www.usiis.org

Data Resources Program, Maternal and Child Health Bureau

Division of Community and Family Health Services
Utah Department of Health
PO Box 142002
Salt Lake City, Utah 84114-2002
Phone: 801-538-6916
Fax: 801-538-6591
Website: www.health.utah.gov/drps

Other Available Resources

National Immunization Program	www.cdc.gov/vaccines
National Immunization Data and Statistics	https://www.cdc.gov/vaccines/vaxview/
Immunization Action Coalition	www.immunize.org
Healthy People 2020	www.healthypeople.gov
Utah Department of Health	www.health.utah.gov
Utah Maternal and Child Health Bureau	www.health.utah.gov/mch
Indicator-Based Information System for Public Health	ibis.health.utah.gov
Office of Health Care Statistics	stats.health.utah.gov
Utah Medicaid Program	Medicaid.utah.gov

**Utah Department of Health
Immunization Program**

P.O. Box 142012

Salt Lake City, UT 84114-2012

<http://www.immunize-utah.org>

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